FUJIFILM

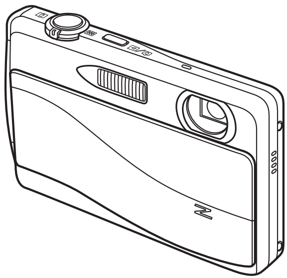
YF07908-121 EN

DIGITAL CAMERA

FINEPIX Z700EXR

Owner's Manual

Thank you for your purchase of this product. This manual describes how to use your FUJIFILM FinePix Z700EXR digital camera and the supplied software. Be sure that you have read and understood its contents before using the camera.



For information on related products, visit our website at
http://www.fujifilm.com/products/digital_cameras/index.html

Exif Print

PictBridge

CERTIFIED FOR Windows Vista

Compatible with Windows 7

SUPER CCD EXR

IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions**: All the safety and operating instructions should be read before the appliance is operated.
- **Retain Instructions**: The safety and operating instructions should be retained for future reference.
- **Heed Warnings**: All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow Instructions**: All operating and use instructions should be followed.

Installation

Power Sources: This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

Grounding or Polarization: This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Alternate Warnings: This video product is equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

Overloading: Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

Ventilation: Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered.
The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface.
This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
This video product should never be placed near or over a radiator or heat register.

Attachments: Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

Water and Moisture: Do not use this video product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

Power-Cord Protection: Power-Supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Accessories: Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.



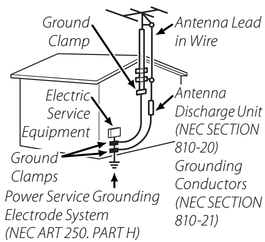
An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Antennas

Outdoor Antenna Grounding: If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antennadischarge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Power Lines: An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



Use

Cleaning: Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Object and Liquid Entry: Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or shortout parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

Lightning: For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

Service

Servicing: Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Damage Requiring Service: Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
When the power-supply cord or plug is damaged.
If liquid has been spilled, or objects have fallen into the video product.
If the video product has been exposed to rain or water.
If the video product has been dropped or the cabinet has been damaged.
If the video product does not operate normally be following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
When the video product exhibits a distinct change in performance - this indicates a need for service.

Replacement Parts: When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

Safety Check: Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

Be sure to read this notes before using

Safety Notes

- Make sure that you use your camera correctly. Read these Safety Notes and your Owner's Manual carefully before use.
- After reading these Safety Notes, store them in a safe place.

About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.

WARNING	This icon indicates that death or serious injury can result if the information is ignored.
CAUTION	This icon indicates that personal injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the information which is to be observed.

	Triangular icons tell you that this information requires attention ("important").
	Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited").
	Filled circles with an exclamation mark tell you an action that must be performed ("Required").

WARNING

Unplug from power socket.	**If a problem arises, turn the camera off, remove the battery, disconnect and unplug the AC power adapter.** Continued use of the camera when it is emitting smoke, is emitting any unusual odor, or is in any other abnormal state can cause a fire or electric shock. • Contact your FUJIFILM dealer.
	Do not allow water or foreign objects to enter the camera. If water or foreign objects get inside the camera, turn the camera off, remove the battery and disconnect and unplug the AC power adapter. Continued use of the camera can cause a fire or electric shock. • Contact your FUJIFILM dealer.

⚠ WARNING

Do not use in the bathroom or shower.	**Do not use the camera in the bathroom or shower.** This can cause a fire or electric shock.
Do not disassemble.	**Never attempt to change or take apart the camera. (Never open the casing.) Do not use the camera when it has been dropped or the casing is damaged.** This can cause a fire or electric shock. • Contact your FUJIFILM dealer.
	Do not change, heat or unduly twist or pull the connection cord and do not place heavy objects on the connection cord. These actions could damage the cord and cause a fire or electric shock. • If the cord is damaged, contact your FUJIFILM dealer.
	Do not place the camera on an unstable surface. This can cause the camera to fall or tip over and cause injury.
	Never attempt to take pictures while in motion. Do not use the camera while you are walking or driving a vehicle. This can result in you falling down or being involved in a traffic accident.
	Do not touch any metal parts of the camera during a thunderstorm. This can cause an electric shock due to induced current from the lightning discharge.
	Do not use the battery except as specified. Load the battery as aligned with the indicator.
	Do not heat, change or take apart the battery. Do not drop or subject the battery to impacts. Do not store the battery with metallic products. Do not use chargers other than the specified model to charge the battery. Any of these actions can cause the battery to burst or leak and cause fire or injury as a result.
	Use only the battery or AC power adapters specified for use with this camera. Do not use voltages other than the power supply voltage shown. The use of other power sources can cause a fire.
	If the battery leaks and fluid gets in contact with your eyes, skin or clothing. Flush the affected area with clean water and seek medical attention or call an emergency number right away.
	Do not use the charger to charge batteries other than those specified here. The Ni-MH battery charger is designed for Fujifilm HR-AA Ni-MH batteries. Using the charger to charge conventional batteries or other types of rechargeable batteries can cause the battery to leak fluid, overheat or burst.
	When carrying the battery, install it in a digital camera or keep it in the hard case. When storing the battery, keep it in the hard case. When discarding, cover the battery terminals with insulation tape. Contact with other metallic objects or battery could cause the battery to ignite or burst.

⚠ WARNING

	Keep Memory Cards out of the reach of small children. Because Memory Cards are small, they can be swallowed by children. Be sure to store Memory Cards out of the reach of small children. If a child swallows a Memory Card, seek medical attention or call an emergency number.

⚠ CAUTION

	Do not use this camera in locations affected by oil fumes, steam, humidity or dust. This can cause a fire or electric shock.
	Do not leave this camera in places subject to extremely high temperatures. Do not leave the camera in locations such as a sealed vehicle or in direct sunlight. This can cause a fire.
	Keep out of the reach of small children. This product could cause injury in the hands of a child.
	Do not place heavy objects on the camera. This can cause the heavy object to tip over or fall and cause injury.
	Do not move the camera while the AC power adapter is still connected. Do not pull on the connection cord to disconnect the AC power adapter. This can damage the power cord or cables and cause a fire or electric shock.
	Do not use the AC power adapter when the plug is damaged or the plug socket connection is loose. This could cause a fire or electric shock.
	Do not cover or wrap the camera or the AC power adapter in a cloth or blanket. This can cause heat to build up and distort the casing or cause a fire.
	When you are cleaning the camera or you do not plan to use the camera for an extended period, remove the battery and disconnect and unplug the AC power adapter. Failure to do so can cause a fire or electric shock.
	When charging ends, unplug the charger from the power socket. Leaving the charger plugged into the power socket can cause a fire.
	Using a flash too close to a person's eyes may temporarily affect the eyesight. Take particular care when photographing infants and young children.
	When an xD-Picture Card is removed, the card could come out of the slot too quickly. Use your finger to hold it and gently release the card.
	Request regular internal testing and cleaning for your camera. Build-up of dust in your camera can cause a fire or electric shock. • Contact your FUJIFILM dealer to request internal cleaning every 2 years. • Please note this is not a free of charge service.

The Battery and Power Supply

The following describes the proper use of the battery and how to prolong its life. Incorrect use can shorten battery life or cause leakage, overheating, fire, or explosion.

The battery is not charged at shipment. Charge the battery before use. Keep the battery in its case when not in use.

Notes on the Battery

The battery gradually loses its charge when not in use. Charge the battery one or two days before use.

Battery life can be extended by turning the camera off when not in use.

Battery capacity decreases at low temperatures; a depleted battery may not function at when cold. Keep a fully charged spare battery in a warm place and exchange as necessary, or keep the battery in your pocket or other warm place and insert it in the camera only when shooting. Do not place the battery in direct contact with hand warmers or other heating devices.

Charging the Battery

Charge the battery in the supplied battery charger. Charging times will increase at ambient temperatures below +10 °C (+50 °F) or above +35 °C (+95 °F). Do not attempt to charge the battery at temperatures above 40 °C (+104 °F); at temperatures below 0 °C (+32 °F), the battery will not charge.

Do not attempt to recharge a fully charged battery. The battery does not however need to be fully discharged before charging.

The battery may be warm to the touch immediately after charging or use. This is normal.

Battery Life

At normal temperatures, the battery can be recharged about 300 times. A noticeable decrease in the length of time the battery will hold a charge indicates that it has reached the end of its service life and should be replaced.

Storage

Performance may be impaired if the battery is left unused for extended periods when fully charged. Run the battery flat before storing it.

If the camera will not be used for an extended period, remove the battery and store it in a dry place with an ambient temperature of from +15 °C to +25 °C (+59 °F to +77 °F). Do not store in locations exposed to extremes of temperature.

Cautions: Handling the Battery

- Do not transport or store with metal objects such as necklaces or hairpins.
- Do not expose to flame or heat.
- Do not disassemble or modify.
- Use with designated chargers only.
- Dispose of used batteries promptly.
- Do not drop or subject to strong physical shocks.
- Do not expose to water.
- Keep the terminals clean.
- The battery and camera body may become warm to the touch after extended use. This is normal.

AC Adapters (Available Separately)

Use only FUJIFILM AC adapters designated for use with this camera. Other adapters could damage the camera.

- The AC adapter is for indoor use only.
- Be sure the DC plug is securely connected to the camera.
- Turn the camera off before disconnecting the adapter. Disconnect the adapter by the plug, not the cable.
- Do not use with other devices.
- Do not disassemble.
- Do not expose to high heat and humidity.
- Do not subject to strong physical shocks.
- The AC adapter may hum or become hot to the touch during use. This is normal.
- If the AC adapter causes radio interference, reorient or relocate the receiving antenna.

Using the Camera

To ensure that images are recorded correctly, do not subject the camera to impact or physical shocks while images are being recorded.

Electrical Interference

This camera may interfere with hospital or aviation equipment. Consult with hospital or airline staff before using the camera in a hospital or on an aircraft.

Liquid Crystal

In the event that the monitor is damaged, care should be taken to avoid contact with liquid crystal. Take the urgent action indicated should any of the following situations arise:

- **If liquid crystal comes in contact with your skin**, clean the area with a cloth and then wash thoroughly with soap and running water.
- **If liquid crystal enters your eyes**, flush the affected eye with clean water for at least 15 minutes and then seek medical assistance.
- **If liquid crystal is swallowed**, rinse your mouth thoroughly with water. Drink large quantities of water and induce vomiting, then seek medical assistance.

Take Test Shots

Before taking photographs on important occasions (such as at weddings or before taking the camera on a trip), take a test shot and view the result in the monitor to ensure that the camera is functioning normally. FUJIFILM Corporation can not accept liability for damages or lost profits incurred as a result of product malfunction.

NOTICES

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Please read the “Safety Notes” (pages iii–v) and make sure you understand them before using the camera.

Perchlorate Material—special handling may apply. See http://www.dtsc.ca.gov/hazardouswaste/perchlorate.

For Customers in the U.S.A.

Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void the user’s authority to operate the equipment.

Notes on the Grant

To comply with Part 15 of the FCC Rules, this product must be used with a FUJIFILM-specified ferrite-core USB cable and DC supply cord.

For Customers in Canada

CAUTION: This Class B digital apparatus complies with Canadian ICES-003.

EC Declaration of Conformity

We

Name: FUJIFILM Electronic Imaging Europe GmbH
Address: Benzstrasse 2
47533 Kleve, Germany

declare that the product

Product Name: FUJIFILM DIGITAL CAMERA FinePix Z700EXR
Manufacturer’s Name: FUJIFILM Corporation
Manufacturer’s Address: 7-3, AKASAKA 9-CHOME, MINATO-KU, TOKYO, 107-0052 JAPAN

conforms to the following Standards:

Safety: EN60065: 2002 + A1: 2006
EMC: EN55022: 2006 Class B
EN55024: 1998+A1: 2001 + A2: 2003
EN61000-3-2: 2006
EN61000-3-3: 1995 + A1: 2001 + A2: 2005

following the provision of the EMC Directive (2004/108/EC) and Low Voltage Directive (2006/95/EC).

CE

Place	Date	Signature, Managing Director
Kleve, Germany	*February 1, 2010*	[signature]

Disposal of Electrical and Electronic Equipment in Private Households

Disposal of Used Electrical and Electronic Equipment (Applicable in the European Union, Norway, Iceland and Liechtenstein)

This symbol on the product, or in the manual and in the warranty, and/or on its packaging indicates that this product shall not be treated as household waste.

Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

This symbol on the batteries or accumulators indicates that those batteries shall not be treated as household waste.

If your equipment contains easy removable batteries or accumulators please dispose these separately according to your local requirements.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

In Countries Outside the European Union, Norway, Iceland and Liechtenstein

If you wish to discard this product, including the batteries or accumulators, please contact your local authorities and ask for the correct way of disposal.

Notes on Copyright

Unless intended solely for personal use, images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner. Note that some restrictions apply to the photographing of stage performances, entertainments, and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

Trademark Information

xD-Picture Card and are trademarks of FUJIFILM Corporation. Macintosh, QuickTime, and Mac OS are trademarks of Apple Inc. in the U.S.A. and other countries. Microsoft, Windows, Windows Vista, Windows 7, and the Windows, Windows Vista and Windows 7 logos are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. "Windows" is an abbreviation used in reference to the Microsoft Windows operating system. Adobe and Adobe Reader are either trademarks or registered trademarks of Adobe Systems Incorporated in the U.S.A. and/or other countries. The SDHC and HDMI logos are trademarks. YouTube is a trademark of Google, Inc. All other trade names mentioned in this manual are the trademarks or registered trademarks of their respective owners.

Note: The "CERTIFIED FOR Windows Vista™" and "Compatible with Windows® 7" logos apply only to the camera and camera hardware driver.

About This Manual

Before using the camera, read this manual and the warnings on pages ii–vii. For information on specific topics, consult the sources below.

Memory Cards

Pictures can be stored in the camera's internal memory or on SD and SDHC memory cards. In this manual, SD memory cards are referred to as "memory cards." For more information, see page 13.

Camera Q & A

Find items by task.

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Introduction

Symbols and Conventions

The following symbols are used in this manual:

Caution: This information should be read before use to ensure correct operation.

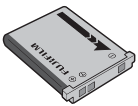
Note: Points to note when using the camera.

Tip: Additional information that may be helpful when using the camera.

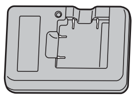
Menus and other text in the camera monitor are shown in bold. In the illustrations in this manual, the monitor display may be simplified for explanatory purposes.

Supplied Accessories

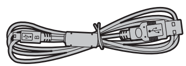
The following items are included with the camera:



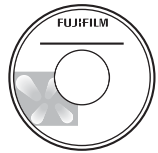
NP-45A rechargeable battery



BC-45W battery charger



USB cable

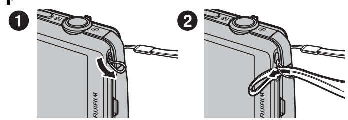


CD-ROM

- *Strap*

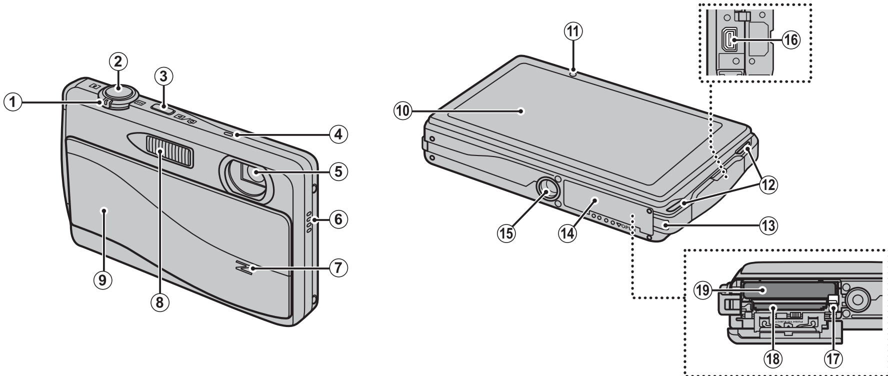
Attaching the Strap

Attach the strap as shown.



Parts of the Camera

For more information, refer to the page listed to the right of each item.

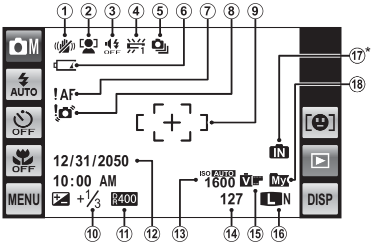


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The following indicators may appear during shooting and playback. The indicators displayed vary with camera settings.

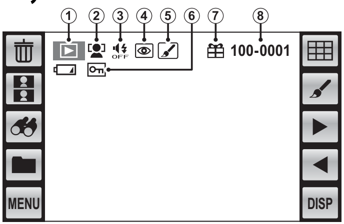
■ *Shooting*



* IN: indicates that no memory card is inserted and that pictures will be stored in the camera's internal memory (pg. 11).

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9	Focus frame	36, 75
10	Exposure compensation	70
11	Dynamic range	73
12	Date and time	15, 82
13	Sensitivity	71
14	Number of available frames	106
15	Film simulation	73
16	Image quality and size	72, 73
17	Internal memory indicator*	11
18	Current folder	54

■ *Playback*



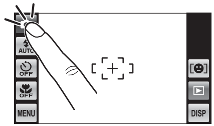
1	Playback mode indicator	22, 42
2	Intelligent Face Detection indicator	28
3	Silent mode indicator	21
4	Red-eye removal indicator	51
5	Edit	47
6	Protected image	78
7	Gift image	42
8	Frame number	84

The Touch Panel Display

The touch panel display can be operated by tapping the display or gliding the stylus or a finger over the panel. The panel responds to pressure; use a firm touch, but do NOT use excessive force.

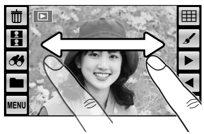
■ Tap

Lightly tap the display to adjust settings or select pictures or menu options.



■ Scroll

Glide lightly over the display to scroll through pictures during playback.



Cautions

To avoid damaging the monitor and touch panel display, observe the following precautions:

- Do not affix plastic covers, stickers, or other objects to the panel.
- Use only your fingers to operate the panel. Do not use excessive force.
- Do not sit on the camera (by, for example, leaving it in a back pocket when sitting down), place it under heavy objects, or attempt to force it into a small space (such as a suitcase that is already full).
- Do not attach objects to the camera strap that might place pressure on the monitor.

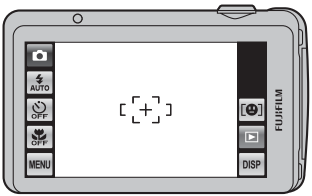
The Touch Panel Display

The actual displays may differ from those shown in this manual.

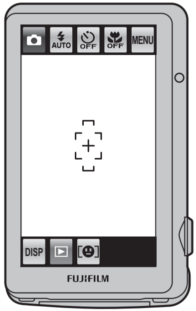
Rotating the Camera

With some exceptions, the display in the monitor rotates 90° when the camera is in “tall” orientation.

■ *Shooting*

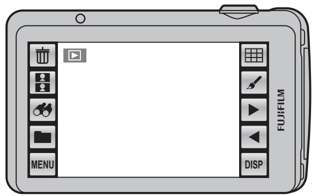


Camera held in “wide” (landscape) orientation

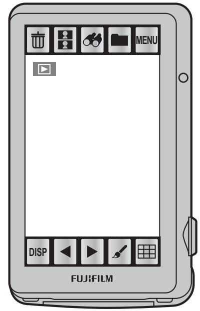


Camera held in “tall” (portrait) orientation

■ *Playback*



Camera held in “wide” (landscape) orientation



Camera held in “tall” (portrait) orientation

Touch Panel Icons

■ *Shooting*

Tap the icons in the shooting display to perform the operations listed below. The icons displayed vary with the options currently selected.

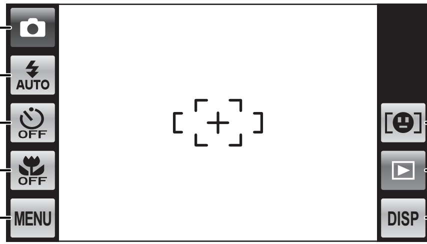
Shooting mode: Choose a shooting mode (pg. 23).

Flash mode: Choose a flash mode (pg. 30).

Self-timer: Use the self-timer (pg. 32).

Macro mode: Shoot in macro mode (pg. 35).

Shooting menu: View the shooting menu (pg. 68).



Face recognition: View face recognition options (pg. 38).

Playback: View pictures (pp. 22, 42).

Display: Turn indicators on or off (pg. 18).

■ *Playback*

Tap the icons in the playback display to perform the operations listed below. The icons displayed vary with the type of picture and the current playback mode.

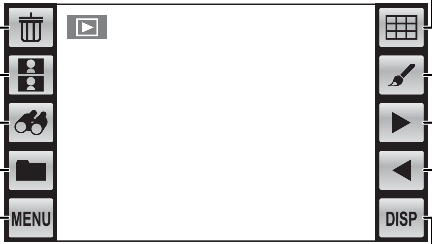
Delete: Delete the current picture (pg. 22).

Picture compare: Compare pictures (pg. 56).

Image search: Find pictures (pg. 52).

Folder management: Move or copy pictures between folders (pg. 54).

Playback menu: View the playback menu (pg. 76).



Multi-frame: View multiple pictures (pg. 44).

Edit: Create collages or retouched copies of pictures (pg. 47).

Next: View the next picture (pp. 22, 42).

Previous: View the previous picture (pp. 22, 42).

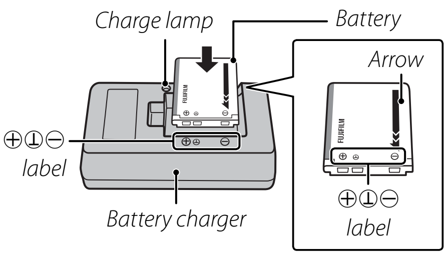
Display: Turn indicators on or off (pg. 18).

Charging the Battery

The battery is not charged at shipment. Charge the battery before use.

Batteries
The camera uses an NP-45A rechargeable battery.

1 Place the battery in the charger.
Insert the battery into the supplied battery charger as shown, making sure that the battery is in the orientation indicated by the ⊕ Ⓣ ⊖ label.



Cautions
- Unplug the charger when it is not in use.
- Remove dirt from the battery terminals with a clean, dry cloth. Failure to observe this precaution could prevent the battery from charging.
- Charging times increase at low temperatures.

2 Plug the charger in.
Plug the charger into a power outlet. The charging indicator will light.

The Charging Indicator
The charging indicator shows battery charge status as follows:

Charging indicator	Battery status	Action
Off	Battery not inserted.	Insert the battery.
	Battery fully charged.	Remove the battery.
On	Battery charging.	—
Blinks	Battery fault.	Unplug the charger and remove the battery.

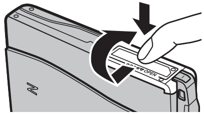
3 Charge the battery.
Remove the battery when charging is complete. See page 110 for information on charging times.

Inserting the Battery

After charging the battery, insert it in the camera as described below.

1 Open the battery-chamber cover.

Lightly press the center of the battery-chamber cover and open it as shown.



Note

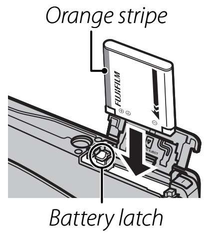
Be sure the camera is off before opening the battery-chamber cover.

Cautions

- Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could result in damage to image files or memory cards.
- Do not use excessive force when handling the battery-chamber cover.

2 Insert the battery.

Align the orange stripe on the battery with the orange battery latch and slide the battery into the camera, keeping the battery latch pressed to one side. Confirm that the battery is securely latched.

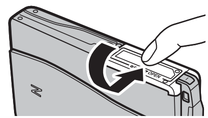


Caution

Insert the battery in the correct orientation. *Do* NOT *use force or attempt to insert the battery upside down or backwards.* The battery will slide in easily in the correct orientation.

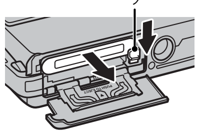
3 Close the battery-chamber cover.

Close the battery-chamber cover and then lightly press it down and slide it in to latch.



Removing the Battery

After turning the camera off, open the battery-chamber cover, press the battery latch to the side, and slide the battery out of the camera as shown.



Caution

Turn the camera off before removing the battery.

Cautions

- Do not affix stickers or other objects to the battery. Failure to observe this precaution could make it impossible to remove the battery from the camera.
- Do not short the battery terminals. The battery could overheat.
- Read the cautions on page v.
- Use only battery chargers designated for use with the battery. Failure to observe this precaution could result in product malfunction.
- Do not remove the labels from the battery or attempt to split or peel the outer casing.
- The battery gradually loses its charge when not in use. Charge the battery one or two days before use.

Tips: Using an AC Power Adapter

- The camera can be powered by an optional AC power adapter and DC coupler (sold separately). See the manuals provided with the AC power adapter and DC coupler for details.
- If the camera is powered by an AC power adapter, demo mode instructions will be displayed when the camera is turned on. Selecting demo mode starts a slide show; to cancel, press the shutter button.

Inserting a Memory Card

Although the camera can store pictures in internal memory, optional SD memory cards (sold separately) can be used to store additional pictures.

When no memory card is inserted, IN appears in the monitor and internal memory is used for recording and playback. Note that because camera malfunction could cause internal memory to become corrupted, the pictures in internal memory should periodically be transferred to a computer and saved on the computer hard disk or on removable media such as CDs or DVDs. The pictures in internal memory can also be copied to a memory card (see page 55). To prevent internal memory from becoming full, be sure to delete pictures when they are no longer needed.

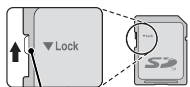
When a memory card is inserted as described below, the card will be used for recording and playback.

■ *Compatible Memory Cards*

FUJIFILM and SanDisk SD and SDHC memory cards have been approved for use in the camera. A complete list of approved memory cards is available at *http://www.fujifilm.com/products/digital_cameras/index.html*. Operation is not guaranteed with other cards. The camera can not be used with ***xD-Picture Cards*** or **M**ulti**M**edia**C**ard (MMC) devices.

Caution

SD memory cards can be locked, making it impossible to format the card or to record or delete images. Before inserting an SD memory card, slide the write-protect switch to the unlocked position.

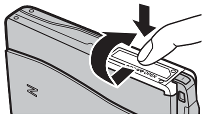


Write-protect switch

■ *Inserting a Memory Card*

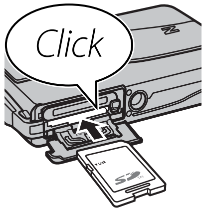
1 Turn the camera off and open the battery-chamber cover.

Lightly press the center of the battery-chamber cover and open it as shown.



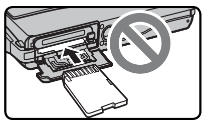
2 Insert the memory card.

Holding the memory card in the orientation shown at right, slide it in until it clicks into place at the back of the slot.



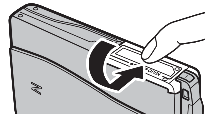
Caution

Be sure card is in correct orientation; do not insert at an angle or use force. If the memory card is not correctly inserted, pictures will be recorded to internal memory.



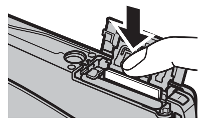
3 Close the battery-chamber cover.

Close the battery-chamber cover and then lightly press it down and slide it in to latch.



Removing Memory Cards

Turn the camera off and then press the card in and release it slowly. The card can now be removed by hand.



Cautions

- The memory card may spring out if you remove your finger immediately after pushing the card in.
- Memory cards may be warm to the touch after being removed from the camera. This is normal and does not indicate a malfunction.

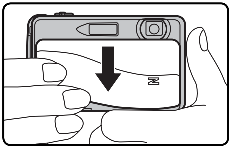
Cautions

- ***Do not turn the camera off or remove the memory card while the memory card is being formatted or data are being recorded to or deleted from the card***. Failure to observe this precaution could damage the card.
- Format SD memory cards before first use, and be sure to reformat all memory cards after using them in a computer or other device. For more information on formatting memory cards, see page 86.
- Memory cards are small and can be swallowed; keep out of reach of children. If a child swallows a memory card, seek medical assistance immediately.
- miniSD or microSD adapters that are larger or smaller than the standard dimensions of an SD card may not eject normally; if the card does not eject, take the camera to an authorized service representative. Do not forcibly remove the card.
- Do not affix labels to memory cards. Peeling labels can cause camera malfunction.
- Movie recording may be interrupted with some types of SD memory card. Use a card with a class 4 write speed (4 MB/s) or better when shooting HD movies.
- The data in internal memory may be erased or corrupted when the camera is repaired. Please note that the repairer will be able to view pictures in internal memory.
- Formatting a memory card or internal memory in the camera creates a folder in which pictures are stored. Do not rename or delete this folder or use a computer or other device to edit, delete, or rename image files. Always use the camera to delete pictures from memory cards and internal memory; before editing or renaming files, copy them to a computer and edit or rename the copies, not the originals.

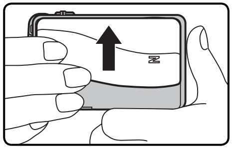
Turning the Camera on and Off

Shooting Mode

To turn the camera on, open the lens cover fully. The camera turns off when the lens cover is closed.



Camera on



Camera off

Tip: Switching to Playback Mode

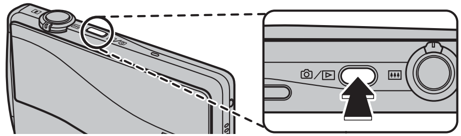
Touch the ▶ icon or press the 📷/▶ button to start playback.

Caution

Pictures can be affected by fingerprints and other marks on the lens. Keep the lens clean.

Playback Mode

If the lens cover is closed, the camera can be turned on in playback mode by pressing the 📷/▶ button for about a second.



Press the 📷/▶ button for about a second to turn the camera off.

Tip: Switching to Shooting Mode

To exit to shooting mode, press the shutter button or the 📷/▶ button.

Caution

The indicator lamp lights when the camera is turned off. Do not remove the battery while the lamp is lit. The camera can not be turned on again until the lamp turns off.

Tip: Auto Power Off

The camera will turn off automatically if no operations are performed for the length of time selected in the **AUTO POWER OFF** menu (pg. 87). To turn the camera on, close and reopen the lens cover or press the 📷/▶ button for about a second.

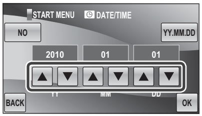
Basic Setup

A language-selection dialog is displayed the first time the camera is turned on. Set up the camera as described below (for information on resetting the clock or changing languages, see page 82).

1 Choose a language.
Tap to select a language. Tap ▲ or ▼ to view additional languages.



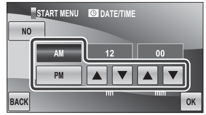
2 Set the date.
Tap the ▲ or ▼ arrows to set the date and then tap **OK**.



Tip: "NO" and "BACK"
Tap **BACK** to return to the previous step, **NO** to skip the current step. Any steps you skip will be displayed the next time the camera is turned on.

Note
To change the order in which the year, month, and day are displayed, tap **YY.MM.DD**.

3 Set the time.
Select **AM** or **PM**, tap the ▲ or ▼ arrows to set the time, and tap **OK**.

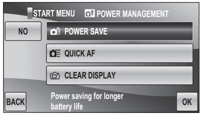


4 Choose a shooting mode.
Tap to select.



5 Choose power management options.

Tap one of the following options:



- **POWER SAVE**: Save battery power.
- **QUICK AF**: Reduce focusing time, ensuring a quick shutter response.
- **CLEAR DISPLAY**: Choose for a brighter, higher quality display.

Tap **OK** to enter shooting mode when setup is complete.



Tip: The Camera Clock

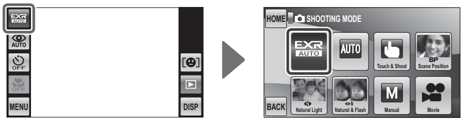
If the battery is removed for an extended period, the camera clock will be reset and the language-selection dialog will be displayed when the camera is turned on. If the battery is left in the camera or an optional AC power adapter connected for about a day, the battery can be removed for about a week without resetting the clock, language selection, shooting mode, or power management options.

Taking Pictures in [EXR AUTO] (EXR AUTO) Mode

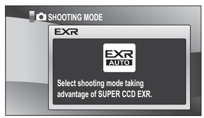
This section describes how to take pictures in [EXR AUTO] mode (for other shooting modes, see page 23).

1 Turn the camera on.
Fully open the lens cover.

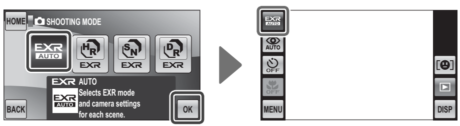
2 Select [EXR AUTO] mode.
Tap the shooting mode icon to view shooting modes and tap [EXR AUTO].



3 Display EXR options.
A tip will be displayed. Tap the tip or wait for it to clear from the display automatically.



4 Select [EXR AUTO].
Tap [EXR AUTO] to select [EXR AUTO] mode and then tap **OK** to exit to shooting mode.



[EXR AUTO]

In this mode, the camera automatically analyzes the composition and selects a scene and EXR mode according to shooting conditions and the type of subject:

- [PORTRAIT icon] (PORTRAIT): Human portrait subject.
- [LANDSCAPE icon] (LANDSCAPE): Man-made or natural landscape.
- [NIGHT icon] (NIGHT): Poorly-lit landscape.
- [MACRO icon] (MACRO): Subject close to camera.
- [BACKLIT PORTRAIT icon] (BACKLIT PORTRAIT): Back-lit portrait subject.
- [NIGHT PORTRAIT icon] (NIGHT PORTRAIT): Poorly-lit portrait subject.

[AUTO icon] (AUTO) is selected if none of the above are detected.

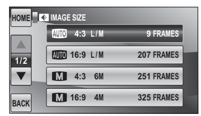
Selected scene



EXR mode (displayed when shutter button is pressed halfway)

Tip: Auto Image Size

If [AUTO] is selected for [IMAGE SIZE icon] **IMAGE SIZE** in [EXR AUTO] mode, the camera will automatically select the optimal image size.



Basic Photography and Playback

5 Check the battery level.

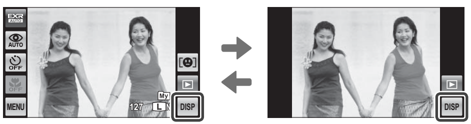
Check the battery level in the display.



Indicator	Description
(white)	Battery partially discharged.
(white)	Battery more than half discharged.
(red)	Low battery. Charge as soon as possible.
(blinks red)	Battery exhausted. Turn camera off and charge battery.

Hiding and Viewing Indicators

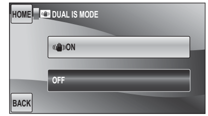
To hide indicators in the display, tap the **DISP** icon. Tap again to display indicators.



Indicators displayed *Indicators hidden*

Avoiding Blurred Pictures

If the subject is poorly lit, blurring caused by camera or subject movement can be reduced by selecting **ON** for **DUAL IS MODE** in the shooting menu (pg. 69). The type of blur reduction can be selected in the setup menu (pg. 82).

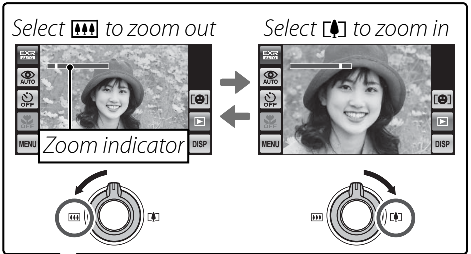


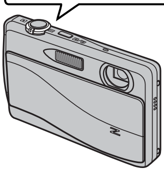


is displayed when dual IS is off.

Sensitivity is raised when dual IS is in effect. Note that blurring may still occur depending on the scene. We recommend that you turn dual IS off when using a tripod.

6 **Frame the picture.**
Use the zoom control to frame the picture in the display.

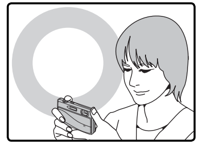




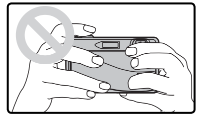
By default, the camera uses optical zoom only. If desired, digital zoom (pg. 85) can be used to zoom in closer.

Tip: Focus Lock
Use focus lock (pg. 36) to focus on subjects that are not in the center of the frame.

Holding the Camera

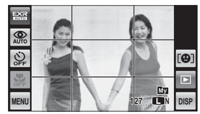


Hold the camera steady with both hands and brace your elbows against your sides. Shaking or unsteady hands can blur your shots.



To prevent pictures that are out of focus or too dark (underexposed), keep your fingers and other objects away from the lens and flash.

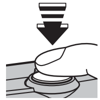
Best Framing



To display a framing guide ("best framing"), select **ON** for the **FRAMING GUIDELINE** option in the shooting menu (pg. 69).

7 Focus.

Press the shutter button halfway to focus.



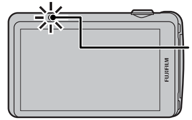
Note

The lens may make a noise when the camera focuses; this is normal. In EXR AUTO mode, the camera continuously adjusts focus and searches for faces, increasing the drain on the battery. [face detection icon] is displayed in the monitor.

If the camera is able to focus, it will beep twice and the indicator lamp will glow green.

If the camera is unable to focus, the focus frame will turn red, **!AF** will be displayed, and the indicator lamp will blink green. Change the composition or use focus lock (pg. 36).

The Indicator Lamp



The indicator lamp shows camera status as follows:

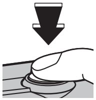
Indicator lamp	Camera status
Glows green	Focus locked.
Blinks green	Blur, focus, or exposure warning. Picture can be taken.
Blinks green and orange	Recording pictures. Additional pictures can be taken.
Glows orange	Recording pictures. No additional pictures can be taken at this time.
Blinks orange	Flash charging; flash will not fire when picture is taken.
Blinks red	Lens or memory error.

Tip: Warnings

Detailed warnings appear in the display. See pages 101–104 for more information.

8 Shoot.

Smoothly press the shutter button the rest of the way down to take the picture.

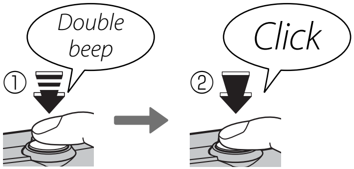


Note

If the subject is poorly lit, the flash may fire when the picture is taken. To take pictures without the flash, choose another flash mode (pg. 30).

Tip: The Shutter Button

The shutter button has two positions. Pressing the shutter button halfway (①) sets focus and exposure; to shoot, press the shutter button the rest of the way down (②).

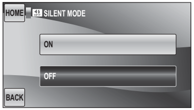


Where Are My Pictures Stored?

Pictures will be stored in internal memory if no memory card is inserted. When a memory card is inserted, pictures are stored in the "My" ("my pictures") folder. Use folder management (pg. 54) to organize pictures into other folders after shooting.

Silent Mode

In situations in which camera sounds or lights may be unwelcome, select **ON** for **SILENT MODE** in the shooting menu (pg. 69).



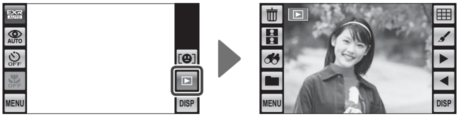
The camera speaker, flash, and illuminator turn off; flash and volume settings (pg. 85) can not be adjusted (note that the flash will still fire in N mode). To restore normal operation, turn silent mode off.

Viewing Pictures

Pictures can be viewed in the monitor. When taking important photographs, take a test shot and check the results.

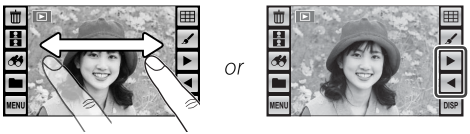
1 Tap the ▶ icon.

The most recent picture will be displayed.



2 View additional pictures.

Scroll left or right or tap ◀ or ▶.



Press the shutter button or 📷/▶ button to exit to shooting mode.

Deleting Pictures

To delete the current picture, tap 🗑.



A confirmation dialog will be displayed; tap **OK** to delete the picture or tap **BACK** to exit without deleting the picture.

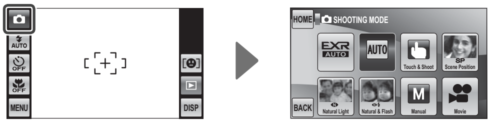


Tip: The Playback Menu

Pictures can also be deleted from the playback menu (pg. 45).

Shooting Mode

Choose a shooting mode according to the scene or type of subject. To choose a shooting mode, tap the shooting mode icon in the monitor and tap to choose a mode.



	Mode	See		Mode	See
EXR AUTO	**EXR**	17		**NATURAL LIGHT**	27
AUTO	**AUTO**	24		**NATURAL & ⚡**	27
	TOUCH & SHOOT	24	M	**MANUAL**	27
SP	**SCENE POSITION**	25		**MOVIE**	57

A description of the selected mode will be displayed; tap the description to continue, or wait for it to clear from the display automatically.

EXR *EXR*



This mode can be used to allow the camera to optimize settings for your current subject or to improve clarity, reduce noise, or enhance dynamic range. Selecting this mode displays the following options; select an option and tap **OK**, or tap **BACK** to return to the shooting mode menu.

Option	Description
EXR AUTO	**EXR AUTO**: The camera automatically selects the scene and EXR mode according to shooting conditions (pg. 17).
HR	**RESOLUTION PRIORITY**: Choose for crisp, clear shots.
SN	**HIGH ISO & LOW NOISE**: Reduce noise in pictures taken at high sensitivities.
DR	**D-RANGE PRIORITY**: Increase the amount of detail visible in highlights.

AUTO

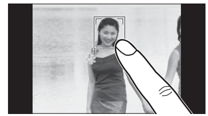
Choose for crisp, clear snapshots. This mode is recommended in most situations.

TOUCH & SHOOT

Choose this mode to take pictures by touching the display instead of pressing the shutter button. Touch anywhere inside the "touch and shoot" area to focus on the selected subject and take a picture.

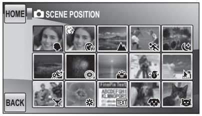


Touch and shoot area



Touch subject to shoot

SP *SCENE POSITION*



This mode offers a choice of "scenes," each adapted to particular shooting conditions or a specific type of subject. Select SP (**Scene Position**) in the shooting mode menu (pg. 23) and tap an icon to select a scene. Tap **BACK** to exit.

DOG/ CAT

In these scenes, the camera detects and sets focus for the faces of dogs or cats that are facing the camera, and the self-timer menu offers a **AUTO RELEASE** option that releases the shutter automatically when a pet is detected (pg. 32). During playback, image search (pg. 52) can be used to search for pictures taken in either mode and the camera can automatically select the faces of pets for playback zoom (pg. 43), slide shows (pg. 77), and when **ZOOM (CONTINUOUS)** is selected for **IMAGE DISP.** (pg. 83).

Caution

Although camera can detect many different breeds of dogs and cats, results may vary with the breed and shooting conditions. The camera may fail detect pets with dark-colored faces or long hair covering their entire face. If a dog or cat is not detected, the camera focuses on the subject at the center of the frame and the icon is not displayed during playback.

Scene	Description
PORTRAIT	Choose for soft-toned portraits with natural skin tones.
PORTRAIT ENHANCER	Choose for soft-focus portraits with a smooth skin effect.
LANDSCAPE	Choose for crisp, clear daylight shots of buildings and landscapes.
SPORT	Choose for fast shutter speeds when photographing moving subjects.
NIGHT	Choose this mode for poorly lit twilight or night scenes. Sensitivity is automatically raised to reduce blur caused by camera shake. Use a tripod to prevent blur.
NIGHT (TRIPOD)	Choose this mode for slow shutter speeds when shooting at night.
FIREWORKS	Slow shutter speeds are used to capture the expanding burst of light from a firework. Shutter speed can be selected by tapping the left and right arrows (◀ and ▶). Use a tripod to prevent blur.
SUNSET	Record the vivid colors in sunrises and sunsets.
SNOW	Choose for crisp, clear shots that capture the brightness of scenes dominated by shining white snow.
BEACH	Choose for crisp, clear shots that capture the brightness of sunlit beaches.
PARTY	Capture indoor background lighting under low-light conditions.
FLOWER	Choose for vivid close-ups of flowers. The camera focuses in the macro range.
TEXT	Take clear pictures of text or drawings in print. The camera focuses in the macro range.
DOG	Choose when photographing dogs. The camera detects and focuses on the faces of dogs.
CAT	Choose when photographing cats. The camera detects and focuses on the faces of cats.

NATURAL LIGHT



Capture natural light indoors, under low light, or where the flash can not be used. The flash turns off and sensitivity is raised to reduce blur.

NATURAL & ⚡

This mode helps ensure good results with back-lit subjects and in other situations with difficult lighting. Each time the shutter button is pressed, the camera takes two shots: one shot without the flash to preserve natural lighting, followed immediately by a second shot with the flash. Do not move the camera until shooting is complete.



Flash off



Flash on

Notes

- Do not use where flash photography is prohibited. The flash will fire even in silent mode.
- Only available if memory remains for two pictures.

MANUAL

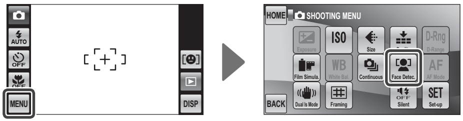
Choose for complete control of camera settings.

Intelligent Face Detection and Red-Eye Removal

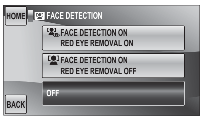
Intelligent Face Detection automatically detects human faces anywhere in the frame and sets focus and exposure for shots that emphasize portrait subjects. Choose to prevent the camera from focusing on the background when taking group portraits, or to remove "red-eye" caused by the flash.

1 Turn Intelligent Face Detection on.

Tap **MENU** to display the shooting menu and tap (**Face Detec.**).



The options shown at right will be displayed. Tap to select.



Option	Description
	Intelligent Face Detection and red-eye removal on. Use with the flash.
	Intelligent Face Detection on; red-eye removal off.
OFF	Intelligent Face Detection and red-eye removal off.

2 Frame the picture.

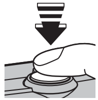
Frame the picture in vertical or horizontal orientation. If a face is detected, it will be indicated by a green border. If there is more than one face in the frame, the camera will select the face closest to the center; other faces are indicated by white borders.



Green border

3 Focus.

Press the shutter button halfway to set focus and exposure for the subject in the green border.

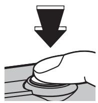


Caution

In some modes, the camera may set exposure for the frame as a whole rather than the portrait subject. If no face is detected when the shutter button is pressed halfway (pg. 96), the camera will focus on the subject at the center of the display and red-eye will not be removed.

4 Shoot.

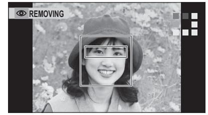
Press the shutter button all the way down to shoot.



Caution

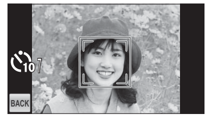
If the subject moves as the shutter button is pressed, their face may not be in the area indicated by the green border when the picture is taken.

If **FACE DETECTION ON RED EYE REMOVAL ON** is selected, the picture will be processed to reduce red-eye before it is recorded.



Intelligent Face Detection

Intelligent Face Detection is recommended when using the self-timer for group- or self-portraits (pg. 32).



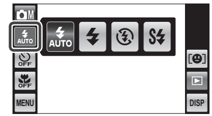
When setting focus and exposure, the camera gives priority to subjects in its face recognition database (pg. 38), and subjects identified in this manner can later be located using image search (pg. 52). When a picture taken with Intelligent Face Detection is displayed, the camera can automatically select faces for playback zoom (pg. 43), red-eye removal (pg. 51), slide shows (pg. 77), and when **ZOOM (CONTINUOUS)** is selected for **IMAGE DISP.** (pg. 83).

Using the Flash (Super-Intelligent Flash)

When the flash is used, the camera's *Super-Intelligent Flash* system instantly analyzes the scene based on such factors as the brightness of the subject, its position in the frame, and its distance from the camera. Flash output and sensitivity are adjusted to ensure that the main subject is correctly exposed while preserving the effects of ambient background lighting, even in dimly-lit indoor scenes. Use the flash when lighting is poor, for example when shooting at night or indoors under low light.

1 Choose a flash mode.

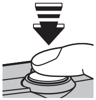
Tap the flash mode icon to display a menu of flash modes and tap to select the desired mode (depending on camera settings, some modes may not be available; see page 21 of the *Basic Manual*).



Option	Description
(AUTO FLASH)	The flash fires when required. Recommended in most situations.
(FORCED FLASH)	The flash fires whenever a picture is taken. Use for backlit subjects or for natural coloration when shooting in bright light.
(SUPPRESSED FLASH)	The flash does not fire even when the subject is poorly lit. Use of a tripod is recommended.
(SLOW SYNCHRO)	Capture both the main subject and the background under low light (note that brightly lit scenes may be overexposed).

2 Focus.

Press the shutter button halfway to focus. If the flash will fire, ⚡ will be displayed when the shutter button is pressed halfway. At slow shutter speeds, ! will appear in the display to warn that pictures may be blurred; use of a tripod is recommended.

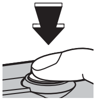


Note

When using the flash to take pictures in "tall" (portrait) orientation, we recommend that you hold the camera with the flash above the lens.

3 Shoot.

Press the shutter button the rest of the way down to shoot.



Caution

The flash may fire several times with each shot. Do not move the camera until shooting is complete.

Red-Eye Removal

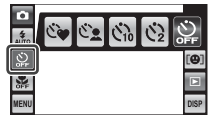
When **FACE DETECTION ON RED EYE REMOVAL ON** is selected for Intelligent Face Detection (pg. 28), red-eye removal ( ) is available in RED EYE REDUCTION ( ), FORCED FLASH ( ), and RED EYE & SLOW ( ) modes. Red-eye removal minimizes "***red-eye***" caused when light from the flash is reflected from the subject's retinas as shown in the illustration at right.



Using the Self-Timer

The camera offers a “couple timer” for self-portraits taken with a friend, a “group timer” for group portraits, a ten-second timer (pg. 34) that allows photographers to appear in their own photographs, and a two-second timer (pg. 34) that can be used to avoid blur caused by the camera moving when the shutter button is pressed.

Tap the self-timer icon to display self-timer options and tap to select.



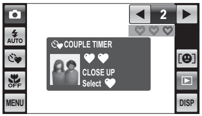
Option	Description
(COUPLE TIMER)	For self-portraits taken with a friend (pg. 33).
(GROUP TIMER)	For group portraits (pg. 33).
(10 SEC)	Ten-second timer (pg. 34).
(2 SEC)	Two-second timer (pg. 34).
(OFF)	Self-timer off.

Note

Turn macro mode on when shooting self-portraits with the camera held at arm’s length.

■ COUPLE TIMER

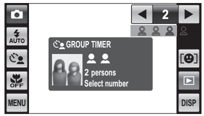
The camera will start the timer when it detects two portrait subjects close together. Tap ◀ or ▶ to choose how close the subjects must be together before the timer starts. To stop the timer before the picture is taken, press the shutter button halfway.



*Choose **1** (♥; 2 s timer), **2** (♥♥; 2 s timer), or **3** (♥♥♥; 1 s timer). The more hearts, the closer the subjects must be together.*

■ GROUP TIMER

The camera will start the timer when it detects the selected number of portrait subjects. Tap ◀ or ▶ to choose the number of subjects. To stop the timer before the picture is taken, press the shutter button halfway.



Choose the number of subjects from 1–4. Timer duration is 1 s for single subjects, 2 s for groups of two or more.

(10 SEC) / (2 SEC)

The camera will start the timer ten or two seconds after the shutter button is pressed all the way down.

1 Focus.

Press the shutter button halfway to focus.

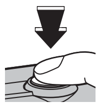


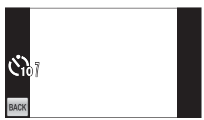
Caution

Stand behind the camera when using the shutter button. Standing in front of the lens can interfere with focus and exposure.

2 Start the timer.

Press the shutter button the rest of the way down to start the timer. The display in the monitor shows the number of seconds remaining until the shutter is released.





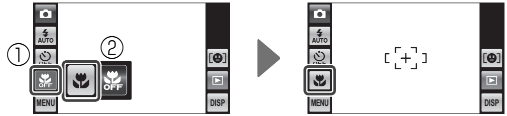
The self-timer lamp on the front of the camera will blink immediately before the picture is taken. If the two-second timer is selected, the self-timer lamp will blink as the timer counts down.

Intelligent Face Detection

Because it ensures that the faces of portrait subjects will be in focus, Intelligent Face Detection (pg. 28) is recommended when using the self-timer for group portraits or self-portraits. To use the self-timer with Intelligent Face Detection, turn Intelligent Face Detection on, set the timer as described in Step 1, and then press the shutter button all the way down to start the timer. The camera will detect faces while the timer is counting down and adjust focus and exposure immediately before the shutter is released.

Macro Mode (Close-ups)

Use macro mode for close-ups. To turn macro mode on, tap the macro mode icon (①) and tap (②).



is displayed when macro mode is on.

When macro mode is in effect, the camera focuses on subjects near the center of the frame. Use the zoom control to compose pictures.

Note

Use of a tripod is recommended to prevent blur caused by camera shake.

Focus Lock

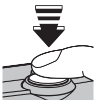
To compose photographs with off-center subjects:

1 Position the subject in the focus frame.



2 Focus.

Press the shutter button halfway to set focus and exposure. Focus and exposure will remain locked while the shutter button is pressed halfway (AF/AE lock).



Press halfway



Repeat steps 1 and 2 as desired to refocus before taking the picture.

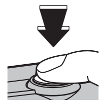
3 Recompose the picture.

Keeping the shutter button pressed halfway, recompose the picture.



4 Shoot.

Press the shutter-release button the rest of the way down to take the picture.



Press the rest of the way down

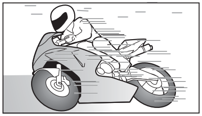
Autofocus

Although the camera boasts a high-precision autofocus system, it may be unable to focus on the subjects listed below. If the camera is unable to focus using autofocus, use focus lock (pg. 36) to focus on another subject at the same distance and then recompose the photograph.

- Very shiny subjects such as mirrors or car bodies.



- Fast-moving subjects.



- Subjects photographed through a window or other reflective object.
- Dark subjects and subjects that absorb rather than reflect light, such as hair or fur.
- Insubstantial subjects, such as smoke or flame.
- Subjects that show little contrast with the background (for example, subjects in clothing that is the same color as the background).
- Subjects positioned in front of or behind a high-contrast object that is also in the focus frame (for example, a subject photographed against a backdrop of highly contrasting elements).

[☻] Face Recognition

The camera can store information on the face and personal details (name, relationship, and birth date) of portrait subjects and assign these subjects priority for Intelligent Face Detection (pg. 28) or display their names and other information during playback (pg. 42).

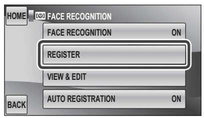
Adding New Faces

Follow the steps below to add faces to the face recognition database.

1 Select **REGISTER.**

Tap **[☻]** to display face recognition options and tap **REGISTER**.





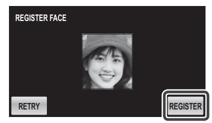
Note

To disable face recognition, select **OFF** for **FACE RECOGNITION**.

2 Take a photograph.

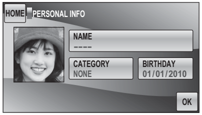
With the subject facing the camera, use the guides to frame the face of the person you wish to add to the face recognition database and take a picture. A confirmation dialog will be displayed; tap **REGISTER** to add the face to the database, **RETRY** to try again (if an error is displayed, tap **BACK** and try again).





3 **Enter a name, relationship, and birth date.**

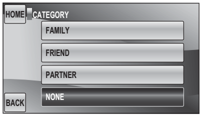
The following options will be displayed:



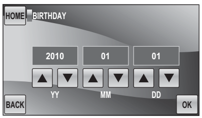
- **NAME**: Enter a name as described under "Text Entry," below.



- **CATEGORY**: Tap the option that describes your relationship to the subject.



- **BIRTHDAY**: Tap the ▲ and ▼ arrows to enter the subject's date of birth, then tap **OK**.



Note

If you zoom in on the face of a person in the face recognition database on their birthday, the camera will display their name and the message "Happy Birthday!"

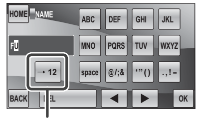
4 **Tap OK.**

After confirming that the information you have entered is correct, tap **OK** to return to the face recognition menu.



Text Entry

1. Tap the text entry mode button until the desired text entry mode (uppercase letters, symbols, or numbers) is displayed.



Mode button

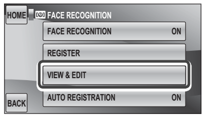
2. To enter a character, tap the desired button one or more times (for example, tap the **PQRS** button once to enter "P", three times to enter "R").
3. To proceed to the next character, tap ▶. To delete an existing character, tap ◀ or ▶ to highlight the character and tap **DEL**. Names may be up to 14 characters long.
4. Tap **OK** when text entry is complete.

Viewing and Editing Face Recognition Data

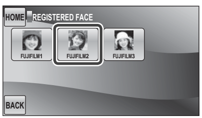
Follow the steps below to view, edit, or delete face recognition data.

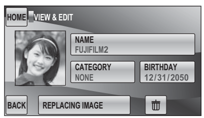
1 Select **VIEW & EDIT**.
Tap **[☻]** to display face recognition options and tap **VIEW & EDIT**.





2 Select a face.
The faces in the database will be displayed as shown below at left; tap a face to display face recognition data for the selected subject.





3 View or edit face recognition data.
To modify the name, category, or birth date, tap the current entry and edit the data as described in Step 3 on page 39. To retake the photo, tap **REPLACING IMAGE** and shoot a new portrait as described in Step 2 on page 38.

Tap **OK** to exit when you have finished viewing or editing the face recognition data. To delete face recognition data for the selected subject, tap 🗑.

Adding Faces Automatically

To automatically add frequently-photographed subjects to the face recognition database, select **ON** for **AUTO REGISTRATION** in the face recognition menu. If the camera detects a face that has been photographed many times without being added to the database, it will display a message prompting you to create a new face recognition entry. Tap **OK** and enter face recognition data as described in Step 3 on page 39.

Note

The camera may sometimes fail to recognize new faces automatically. If necessary, faces can be added manually using the **REGISTER** option as described on pages 38–39.

Face Recognition

The camera can store data on up to eight faces. If you attempt to add a ninth face, a confirmation dialog will be displayed; use the **VIEW & EDIT** option to make room for new faces by deleting existing data. **AUTO REGISTRATION** is disabled if there are already data for eight faces.

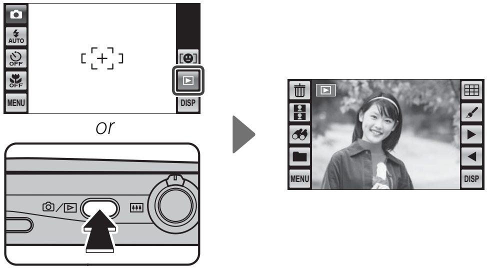
When Intelligent Face Detection (pg. 28) is on and the frame contains multiple subjects from the face recognition database, the camera displays the name of the subject that will be used to set focus and exposure (the subject shown by the green frame). If no name is entered, the camera will show "---". Subjects identified using face recognition but not used to set focus and exposure are shown by orange frames, other subjects by white frames.

Caution

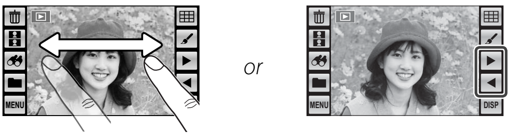
Face recognition may not function as expected if the subject is not facing the camera, if only part of the subject's face is in the frame, or if details of the subject's face or expression differ markedly from those recorded in the database.

Playback Options

To view the most recent picture, tap the ▶ icon in the monitor or press the 📷/▶ button.

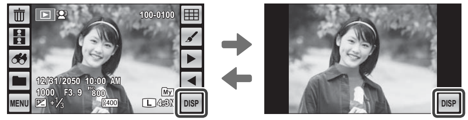


Scroll left or right or tap ◀ or ▶ to view additional pictures.



Hiding Indicators

Tap **DISP** to hide or view indicators.



Indicators displayed *Indicators hidden*

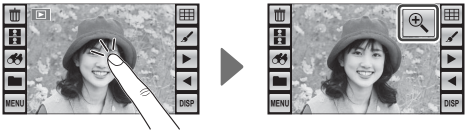
Note

Pictures taken using other cameras are indicated by a 🎁 ("gift image") icon.

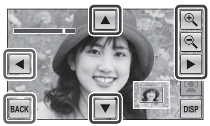
Playback Zoom

To zoom a picture in or out:

1 Display the picture full screen and tap the picture to display the ⊕ icon.



2 Tap the ⊕ icon. Zoom controls will be displayed; tap ⊕ to zoom in or ⊖ to zoom out (you can also select [⊕] with the camera zoom control to display the zoom slider and use the zoom control to zoom in and out, or tap the display to zoom in on the selected area). Tap ▲, ▼, ◀, or ▶ to scroll the display.



Tap **BACK** to exit zoom.

Note

The maximum zoom ratio varies with image size.

Intelligent Face Detection/Pet Detection

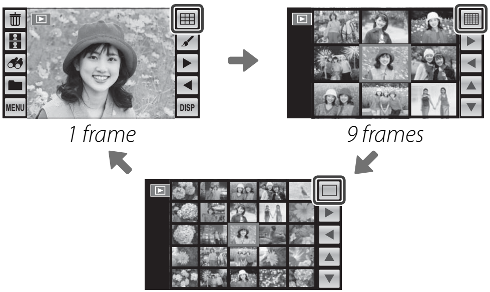


Pictures taken with Intelligent Face Detection (pg. 28) are indicated by a [face] icon, pictures taken with pet detection (pg. 25) by a [pet] icon. Tap the icon to zoom in on a subject the camera has detected. You can then use the ⊕ icon or zoom control to zoom in and out.

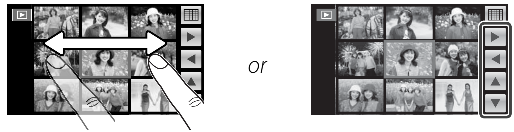
More on Playback

Multi-Frame Playback

To view pictures nine at a time, tap ⊞ in single-frame view. The number of pictures displayed changes each time you tap ⊞ (you can also select W with the camera zoom control to increase the number of pictures displayed or T to decrease the number of pictures).



In 9- and 25-frame views, scroll left or right or tap ▲, ▼, ◀, or ▶ to view more pictures.



Tap a picture to view it full screen.

Note

When you tap a picture to display it full screen, the folder containing the selected picture becomes the current folder (pg. 54).

Rotating the Camera

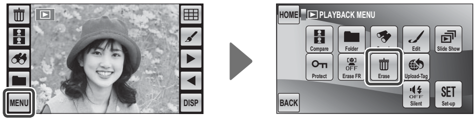
When the camera is held in "tall" (portrait) orientation, the highlighted picture appears at the top of the display. Tap ▲, ▼, ◀, or ▶ to highlight pictures and tap the picture at the top of the display to view it full screen.



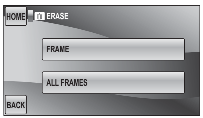
🗑 Deleting Pictures

The 🗑 (**Erase**) option in the playback menu can be used to delete still pictures and movies, increasing the amount of space available on the memory card or in internal memory (for information on deleting pictures in single-frame playback, see page 22). *Note that deleted pictures can not be recovered. Copy important pictures to a computer or other storage device before proceeding.*

1 Tap **MENU** during playback to display the playback menu and tap 🗑 (**Erase**).



2 Tap **FRAME** or **ALL FRAMES** to display options for the selected item (pg. 46).



Tips: Deleting Pictures

- When a memory card is inserted, pictures will be deleted from the memory card; otherwise, pictures will be deleted from internal memory.
- Protected pictures can not be deleted. Remove protection from any pictures you wish to delete (pg. 78).

■ FRAME: *Deleting Selected Images*



Selecting **FRAME** displays the dialog shown at right. Tap ◀ or ▶ to display a picture you wish to delete and tap 🗑.

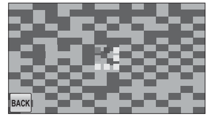


A confirmation dialog will be displayed; tap **OK** to delete the current picture and return to the picture-selection dialog. To continue without deleting the picture, tap **BACK**.

Tap **BACK** to exit when all the desired pictures have been deleted.

■ ALL FRAMES: *Deleting All Images in a Folder*

Selecting **ALL FRAMES** displays a confirmation dialog. Tap **OK** to delete all unprotected pictures in the current folder (pg. 54).

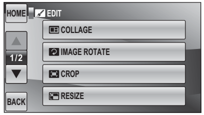


The dialog shown at right is displayed during deletion. Tap **BACK** to cancel before all pictures have been deleted (any pictures deleted before **BACK** was selected can not be recovered).

Edit

To rotate pictures, make collages, or create cropped or resized copies of pictures, tap the icon in single-frame view.





Tap ▲ or ▼ to scroll through the menu and tap an option to select it.

Option	Description
COLLAGE	Create collages (pg. 48).
IMAGE ROTATE	Rotate pictures (pg. 49).
CROP	Create cropped copies of pictures (pg. 50).
RESIZE	Create small copies of pictures (pg. 50).
RED EYE REMOVAL	Create copies with reduced red eye (pg. 51).

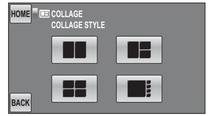
Tip

Edit options can also be accessed from the playback menu (pg. 76).

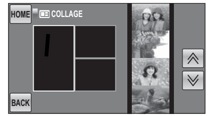
COLLAGE

Selecting **COLLAGE** displays the dialog shown in Step 1.

1 Tap the desired template for the collage.

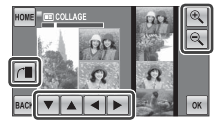


2 Tap a frame in the template and then tap a picture at the right side of the display to place it in the selected frame (you can also select a picture first and then tap the target frame). Repeat until the template is filled. If the desired picture is not visible at the right side of the display, tap ⇑ or ⇓ to view more pictures.



Tip

To rotate or crop an image for display in a collage, tap its frame in the collage template. Rotation and crop tools will appear at the edges of the display. To rotate the picture, tap ↱. The picture is rotated 90° clockwise each time you tap the icon. Tap ⊕ or ⊖ to zoom the selected picture in or out and tap ▲, ▼, ◀, or ▶ to position it in the frame. Tap **OK** when the operation is complete. Note that depending on the template, you may not be able to rotate or crop the image.



3 Tap **OK** to complete the collage (to exit without creating a collage, tap **BACK**).

4 Image size options will be displayed. Tap an option to create a collage at the selected size and save it as a new file.

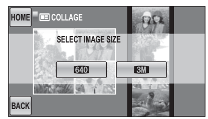


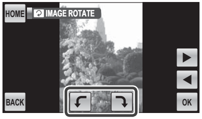
IMAGE ROTATE

This option creates rotated copies of pictures for display in the monitor. It has no effect on pictures displayed on a computer or other device.

1 Tap the left and right arrows (◀ and ▶) to select the picture you wish to rotate.



2 Tap ⤵ to rotate the picture 90° clockwise, ⤴ to rotate it 90° counterclockwise.



3 Tap **OK** to create the rotated copy (to exit without rotating the picture, tap **BACK**).

The next time the picture is played back, the rotated copy will be displayed.

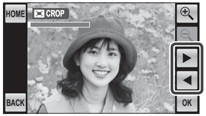
Note

The camera may not be able to rotate pictures created with other devices.

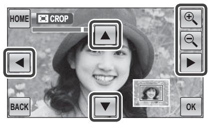
CROP

Selecting **CROP** displays the dialog shown in Step 1.

1 Tap the left and right arrows (◀ and ▶) to select the picture you wish to crop.



2 Tap 🔍+ or 🔍− to zoom in and out (tap the picture to redisplay the zoom icons as needed, or tap the display to zoom in on a selected area) and tap ▲, ▼, ◀, or ▶ to scroll the picture until the desired portion is displayed. Higher zoom ratios produce smaller copies.



3 Tap **OK** to save the cropped copy to a separate file, **BACK** to exit without cropping.

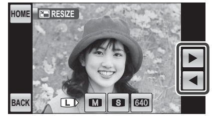
Note

Pictures taken with other cameras can not be cropped.

RESIZE

Selecting **RESIZE** displays the dialog shown in Step 1.

1 Tap the left and right arrows (◀ and ▶) to select the picture you wish to resize.



2 Tap an icon to copy the picture at the selected size (to exit without creating a small copy, tap **BACK**). The sizes available vary with the size of the original image:

Size of original image	Available sizes
L	M, S, and 640
M	S and 640
S	640

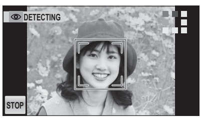
RED EYE REMOVAL

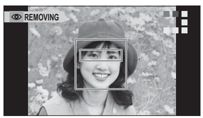
This option is used with pictures taken using Intelligent Face Detection to create copies that have been processed to remove red eye.

1 Selecting **RED EYE REMOVAL** displays the dialog shown at right. Tap the left and right arrows (◀ and ▶) to select a picture.



2 Tap **OK**. The message shown below at left will be displayed while the camera analyses the image (to exit without creating a copy, tap **STOP**); if red-eye is detected, the message shown below at right will be displayed while the camera processes the image to create a copy with reduced red-eye.





Notes

- Red eye may not be removed if the camera is unable to detect a face or the face is in profile. Results may differ depending on the scene. Red eye can not be removed from pictures that have already been processed using red-eye removal or pictures created with other devices.
- The amount of time needed to process the image varies with the number of faces detected.
- Copies created with **RED EYE REMOVAL** are indicated by a icon during playback.

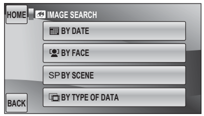
Image Search

Search for pictures by date, subject, scene, and file type.

1 Tap the icon in single-frame view.



2 Choose from the following options:



Option	Description
BY DATE	Find all pictures taken on a selected date.
BY FACE	Search for pictures containing a selected person from the face recognition database.
SP BY SCENE	Find all pictures that match a selected scene.
BY TYPE OF DATA	Find all still pictures or all movies.

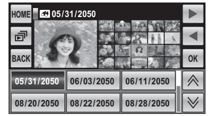
Tip

Searches can also be performed from the playback menu (pg. 76).

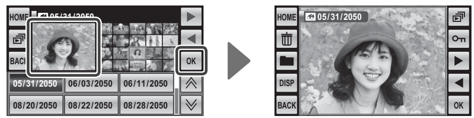
"BACK"

Tap **BACK** at any time to return to the previous display.

3 Select search conditions to view all matching pictures in the current folder (pg. 54; tap ⩓ or ⩔ to view additional search conditions). Page through pictures by scrolling the thumbnails left or right.



4 The large preview to the left of the thumbnails is the current picture. To view the current picture full frame, tap the preview or tap **OK**.



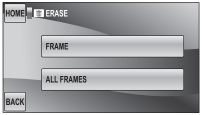
Tap to protect the current picture. Tap ◀ or ▶ to view other pictures or tap to view the search results in a slide show.

5 To exit, tap **OK** when the current picture is shown full frame. Tap **OK** to end the search, **BACK** to return to Step 4.



Image Search: Deleting Pictures

Tapping the 🗑 icon when the current picture is shown full frame (pg. 52) displays the options shown at right.

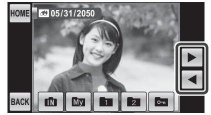


Tap **FRAME** to delete the current picture, **ALL FRAMES** to delete all pictures that match the current search conditions (to exit without deleting pictures, tap **BACK**) (pg. 46).

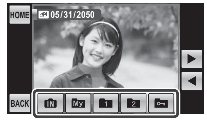
Image Search: Folder Management

To copy or move the pictures, tap the ■ icon when the current picture is shown full frame (pg. 52). The dialog shown in Step 1 will be displayed.

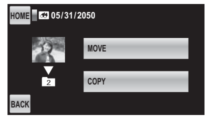
1 Tap ◀ or ▶ to display the desired picture.



2 Tap the destination folder (pg. 54).



3 Tap **MOVE** or **COPY**.



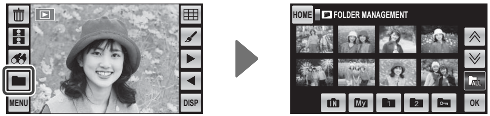
Caution

Copying ends when the destination is full.

Folder Management

Organize pictures into folders.

To view the **FOLDER MANAGEMENT** dialog, tap when a picture is displayed full screen.



Folders are identified by icons at the bottom of the display:

Folder	Default folder name
IN Internal memory	—
My My pictures	110_FUJI
1 Theme (1)	101FETC1
2 Theme (2)	102FETC2
Private	100FPRIV

To choose a folder for playback, tap the icon at the bottom of the display. Tap or to view additional pictures in the current folder, or tap **OK** to return to single-frame playback. Only pictures in the selected folder will be displayed; to view pictures in all folders except IN and , select ALL in the folder management dialog.

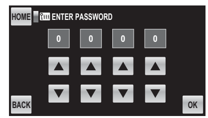
Note

Folder management is only available when a memory card is inserted in the camera. Folders on memory cards from other cameras may not be organized as shown above.

Tip: Folder Management

Folder management can also be accessed from the playback menu (pg. 76).

The Folder



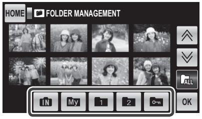
The folder is password protected. Tapping displays a password entry dialog; enter a four-digit password by tapping the ▲ or ▼ icons and tap **OK**. In all other respects the folder functions as a normal folder.

The password can be freely changed using the **PASSWORD** option in the setup menu (pg. 83). Note that password protection applies on the camera only; files are not encrypted and can be viewed normally on other devices.

Moving and Copying Pictures

To move or copy a picture between folders:

1 Select the folder containing the desired picture.



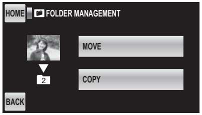
2 Tap the picture.



3 Tap the destination folder.



4 Tap **MOVE** or **COPY**, or tap **BACK** to exit without moving or copying the picture.



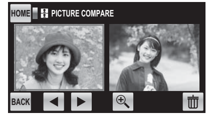
Caution

Copying ends when the destination is full.

More on Playback

Picture Compare

To compare two pictures side by side, tap in single-frame playback. Tap a frame to highlight it and scroll left or right or tap ◀ or ▶ to choose the picture shown in the frame. To zoom in on the highlighted picture, tap, or tap to delete the highlighted picture.



To exit to single-frame playback, tap **BACK**.

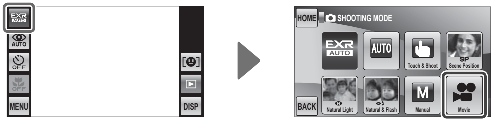
Tip: Picture Compare

Side-by-side comparison can also be accessed from the playback menu (pg. 76).

Recording Movies

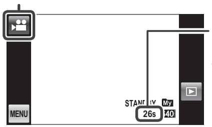
Shoot short movies in Motion JPEG format. Sound is recorded via the built in microphone; do not cover the microphone during the recording.

1 Tap the shooting mode icon to view a menu of shooting modes and tap (**Movie**).



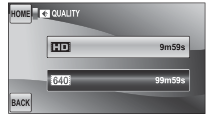
The camera enters movie mode.

mode icon



Time available is displayed in monitor

2 Tap **MENU** and select a frame size from the **QUALITY** menu. Tap HD (1280×720 pixels) to film in HD or 640 (640×480 pixels) for longer movies.

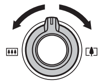


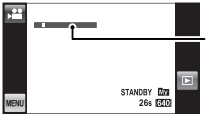
If desired, you can also turn **DUAL IS MODE** (pg. 18), **SILENT MODE** (pg. 21), and **FACE DETECTION** (pg. 28) on or off before shooting movies. Red-eye removal is not available.



Movies

3 Frame the scene using the zoom control.

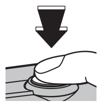


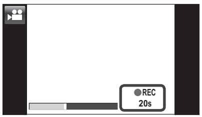


Zoom indicator

Zoom can not be adjusted once recording begins.

4 Press the shutter button all the way down to start recording.



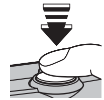


● **REC** *and time remaining are displayed in monitor*

Notes

- Focus is fixed at the position selected when recording begins, but exposure and white balance are adjusted automatically throughout recording. The color and brightness of the image may vary from that displayed before recording begins.
- Sounds made by the camera may be recorded with the movie.

5 Press the shutter button all the way down to end recording. Recording ends automatically when the movie reaches maximum length or memory is full.



Tip

There is no need to keep the shutter button pressed during recording.

Cautions

- The indicator lamp lights while movies are being recorded. Do not remove the memory card during shooting or while the indicator lamp is lit. Failure to observe this precaution could prevent the movie from being played back.
- Vertical or horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction.

Viewing Movies

To view a movie, display it in playback mode and follow the steps below.

1 Tap the movie to display it full screen.



2 Tap ▶ to start playback.



Progress is shown in the monitor during playback. The following operations can be performed while playback is in progress:



Progress bar

Operation	Description
End playback	Tap ■ to end playback.
Pause playback	Tap ❚❚ to pause playback. Tap ▶ to resume.

Playback ends automatically when the entire movie has been played.

Caution
Do not cover the speaker during playback.

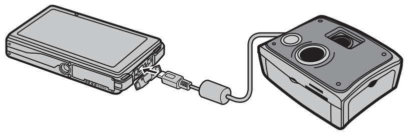
Printing Pictures via USB

If the printer supports PictBridge, the camera can be connected directly to the printer and pictures can be printed without first being copied to a computer. Note that depending on the printer, not all the functions described below may be supported.

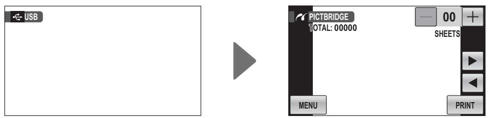
PictBridge

Connecting the Camera

1 Connect the supplied USB cable as shown and turn the printer on.



2 Press the / button for about a second to turn the camera on. **USB** will be displayed in the monitor, followed by the PictBridge display shown below at right.

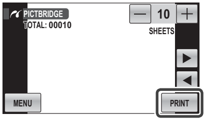


Printing Selected Pictures

1 Tap ◀ or ▶ to select a picture you wish to print.

2 Tap **+** or **–** to choose the number of copies (up to 99).

3 Repeat steps 1–2 to select additional pictures. Tap **PRINT** to display a confirmation dialog when settings are complete.

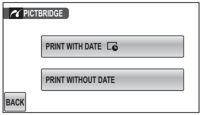


Note
If no pictures are selected when you tap **PRINT**, the camera will print one copy of the current picture.

4 Tap **OK** to start printing. To end printing before all pictures have printed, tap **CANCEL**.

Tip: Printing the Date of Recording
To print the date of recording on pictures, tap **MENU** in steps 1–2 to display the PictBridge menu (see below) and select **PRINT WITH DATE**. To ensure that the date is correct, set the camera clock before taking pictures.

- **PRINT WITH DATE**: *Print date of recording on pictures.*
- **PRINT WITHOUT DATE**: *Print pictures without date.*



Viewing Pictures on a Computer

The supplied software can be used to copy pictures to a computer, where they can be stored, viewed, organized, and printed. Before proceeding, install the software as described below. *Do NOT connect the camera to the computer until installation is complete*.

Installing the Software

Two applications are supplied: MyFinePix Studio for Windows and FinePixViewer for the Macintosh. Installation instructions for Windows are on pages 62–63, those for the Macintosh on pages 64–65.

Windows: Installing MyFinePix Studio

1 Confirm that the computer meets the following system requirements:

	Windows 7*	Windows Vista*	Windows XP*
CPU	3 GHz Pentium 4 or better		2 GHz Pentium 4 or better
RAM	1 GB or more		512 MB or more
Free disk space	15 GB or more		2 GB or more
Video	• 1024 × 768 pixels or more with 24-bit color or better • A graphics processing unit (GPU) that supports DirectX 7 or later		
Other	• Built-in USB port recommended. Operation is not guaranteed with other USB ports. • Internet connection (56 kbps or faster recommended) required to use FinePix Internet Service; Internet connection and e-mail software required to use e-mail option.		

* Other versions of Windows are not supported. Only pre-installed operating systems are supported; operation is not guaranteed on home-built computers or computers that have been upgraded from earlier versions of Windows.

2 Start the computer. Log in to an account with administrator privileges before proceeding.

3 Exit any applications that may be running and insert the installer CD in a CD-ROM drive.

> **Windows 7/Windows Vista**
> If an AutoPlay dialog is displayed, click **SETUP.EXE**. A "User Account Control" dialog will then be displayed; click **Yes** (Windows 7) or **Allow** (Windows Vista).

The installer will start automatically; click **Install MyFinePix Studio** and follow the on-screen instructions to install MyFinePix Studio.

> **If the Installer Does Not Start Automatically**
> If the installer does not start automatically, select **Computer** or **My Computer** from the Start menu, then double-click the **FINEPIX** CD icon to open the FINEPIX CD window and double-click **setup** or **SETUP.EXE**.

4 If prompted to install Windows Media Player or DirectX, follow the on-screen instructions to complete installation.

5 Remove the installer CD from the CD-ROM drive when installation is complete. Store the installer CD in a dry location out of direct sunlight in case you need to re-install the software. The version number is printed at the top of the CD label for reference when updating the software or contacting customer support.

Installation is now complete. Proceed to "Connecting the Camera" on page 66.

Macintosh: Installing FinePixViewer

1 Confirm that the computer meets the following system requirements:

CPU	PowerPC or Intel
OS	Pre-installed versions of Mac OS X version 10.3.9–10.6 (for the latest information, visit *http://www.fujifilm.com/*)
RAM	256 MB or more
Free disk space	A minimum of 200 MB required for installation with 400 MB available when FinePixViewer is running
Video	800 × 600 pixels or more with thousands of colors or better
Other	• Built-in USB port recommended. Operation is not guaranteed with other USB ports. • Internet connection (56 kbps or faster recommended) required to use FinePix Internet Service; Internet connection and e-mail software required to use e-mail option.

2 After starting the computer and quitting any applications that may be running, insert the installer CD in a CD-ROM drive and double-click **Installer for Mac OS X**.

3 An installer dialog will be displayed; click **Installing FinePixViewer** to start installation. Enter an administrator name and password when prompted and click **OK**, then follow the on-screen instructions to install FinePixViewer. Click **Exit** to quit the installer when installation is complete.

4 Remove the installer CD from the CD-ROM drive. Note that you may be unable to remove the CD if Safari is running; if necessary, quit Safari before removing the CD. Store the installer CD in a dry location out of direct sunlight in case you need to re-install the software. The version number is printed at the top of the CD label for reference when updating the software or contacting customer support.

5 **Mac OS X 10.5 or earlier**: Open the "Applications" folder, start Image Capture, and select **Preferences…** from the Image Capture application menu. The Image Capture preferences dialog will be displayed; choose **Other…** in the **When a camera is connected, open** menu, then select **FPVBridge** in the "Applications/FinePixViewer" folder and click **Open**. Quit Image Capture.

Mac OS X 10.6: Connect the camera and turn it on. Open the "Applications" folder and start Image Capture. The camera will be listed under **DEVICES**; select the camera and choose **FPVBridge** from the **Connecting this camera opens** menu and click **Open**. Quit Image Capture.

Installation is now complete. Proceed to "Connecting the Camera" on page 66.

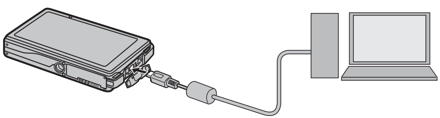
Connecting the Camera

1 If the pictures you wish to copy are stored on a memory card, insert the card into the camera (pg. 11). If no card is inserted, pictures will be copied from internal memory.

Note
Windows users may require the Windows CD when starting the software for the first time.

Caution
Loss of power during transfer could result in loss of data or damage to internal memory or the memory card. Charge the battery before connecting the camera.

2 Turn the camera off and connect the supplied USB cable as shown, making sure the connectors are fully inserted. Connect the camera directly to the computer; do not use a USB hub or keyboard.



3 Press the camera/playback button for about a second to turn the camera on. MyFinePix Studio or FinePixViewer will start automatically; follow the on-screen instructions to copy pictures to the computer. To exit without copying pictures, click **Cancel**.

Caution
If the software does not start automatically, it may not be correctly installed. Disconnect the camera and reinstall the software.

For more information on using the supplied software, start the application and select the appropriate option from the **Help** menu.

Cautions

- If a memory card containing a large number of images is inserted, there may be a delay before the software starts and you may be unable to import or save images. Use a memory card reader to transfer pictures.
- Make sure that the computer does not display a message stating that copying is in progress and that the indicator lamp is out before turning the camera off or disconnecting the USB cable (if the number of images copied is very large, the indicator lamp may remain lit after the message has cleared from the computer display). Failure to observe this precaution could result in loss of data or damage to internal memory or the memory card.
- Disconnect the camera before inserting or removing memory cards.
- In some cases, it may not be possible to access pictures saved to a network server using the supplied software in the same way as on a standalone computer.
- The user bears all applicable fees charged by the phone company or Internet service provider when using services that require an Internet connection.

Disconnecting the Camera

After confirming that the indicator lamp is out, follow the on-screen instructions to turn the camera off and disconnect the USB cable.

Uninstalling the Supplied Software

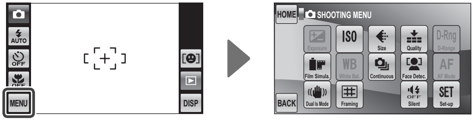
Only uninstall the supplied software when it is no longer required or before beginning reinstallation. After quitting the software and disconnecting the camera, drag the “FinePixViewer” folder from “Applications” into the Trash and select **Empty Trash** in the **Finder** menu (Macintosh), or open the control panel and use “Programs and Features” (Windows 7/Windows Vista) or “Add or Remove Programs” (Windows XP) to uninstall MyFinePix Studio. Under Windows, one or more confirmation dialogs may be displayed; read the contents carefully before clicking **OK**.

The Shooting Menu

The shooting menu is used to adjust settings for a wide range of shooting conditions.

Using the Shooting Menu

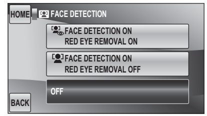
1 To view the shooting menu, tap the **MENU** icon when the camera is in shooting mode.



2 Tap the icon for the desired menu item.



3 Tap the desired option. In some menus, you may need to tap ▲ or ▼ to view additional options.



Shooting Menu Options

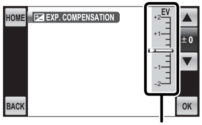
Menu item	Description	Options	Default
EXP. COMPENSATION	Adjust exposure for bright, dark, or high-contrast scenes (pg. 70).	–2 EV to +2 EV in increments of ⅓ EV	±0
ISO	Adjust ISO sensitivity (pg. 71). Choose higher values when the subject is poorly lit.	**AUTO/AUTO (1600)/ AUTO (800)/AUTO (400)/3200/ 1600/800/400/200/100**	**AUTO**
IMAGE SIZE	Choose image size and aspect ratio (pg. 72).	**L 4:3/L 16:9/M 4:3/ M 16:9/S 4:3/S 16:9**	**L 4:3**
IMAGE QUALITY	Choose image quality (pg. 73).	**FINE / NORMAL**	**NORMAL**
DYNAMIC RANGE	Enhance details in highlights for natural contrast (pg. 73).	**AUTO / R100 / R200 / R400**	**AUTO**
FILM SIMULATION	Simulate the effects of different types of film (pg. 73).	STD / V / B / SEPIA	STD
WHITE BALANCE	Adjust color for different light sources (pg. 74).	**AUTO**/☀/⛅/F_1/F_2/F_3/incandescent	**AUTO**
CONTINUOUS	Shoot a series of pictures (pg. 74).	**ON / OFF**	**OFF**
FACE DETECTION	Choose whether the camera automatically detects and sets focus and exposure for human portrait subjects. Can be combined with red-eye removal (pg. 28).	face detection + red-eye / face detection /**OFF**	—
AF MODE	Control how the camera focuses (pg. 75).	multi / center	multi
DUAL IS MODE	Reduce blur (pg. 18).	**ON / OFF**	**ON**
FRAMING GUIDELINE	Display best framing guides to help compose pictures (pg. 19).	**ON / OFF**	**OFF**
SILENT MODE	Select **ON** in situations in which camera sounds or lights may be unwelcome (pg. 21).	**ON / OFF**	**OFF**
SET-UP	Perform basic camera setup such as choosing a language and setting the time and date (pg. 81).	—	—

Menus

EXP. COMPENSATION

Use exposure compensation when photographing very bright, very dark, or high-contrast subjects.

An exposure indicator appears at the right side of the display; tap ▲ to increase exposure, ▼ to reduce.

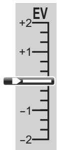


Exposure indicator

Tap ▲ to increase exposure









Tap ▼ to reduce exposure

Tap **OK** to exit when adjustments are complete.

Choosing an Exposure Compensation Value

- **Backlit subjects**: choose values from +⅔ EV to +1⅔ EV (for an explanation of the term “EV”, see the Glossary on page 105)



- **Highly reflective subjects or very bright scenes** (e.g., snowfields): +1 EV



- **Scenes that are mostly sky**: +1 EV
- **Spotlit subjects** (particularly if photographed against dark backgrounds): –⅔ EV
- **Subjects with low reflectivity** (pine trees or dark-colored foliage): –⅔ EV

Note

At settings other than ±0, a icon is displayed in the monitor. Exposure compensation is not reset when the camera is turned off; to restore normal exposure control, choose a value of ±0.

ISO ISO

Control the camera's sensitivity to light. Higher values can be used to reduce blur when lighting is poor; note, however, that mottling may appear in pictures taken at high sensitivities. If **AUTO** is selected, the camera will adjust sensitivity automatically in response to shooting conditions.

Settings other than **AUTO** are shown by an icon in the monitor.

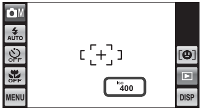
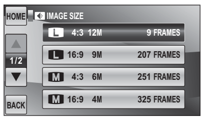


IMAGE SIZE

Choose the size and aspect ratio at which still pictures are recorded. Large pictures can be printed at large sizes with no drop in quality; small pictures require less memory, allowing more pictures to be recorded.

Option	Prints at sizes up to
L 4:3	34×25 cm (13.5×10 in.)
L 16:9	34×19 cm (13.5×7.5 in.)
M 4:3	24×18 cm (9.5×7 in.)
M 16:9	24×13 cm (9.5×5.5 in.)
S 4:3	17×13 cm (7×5 in.)
S 16:9	16×9 cm (6.5×3.5 in.)

The number of pictures that can be taken at each setting is displayed to the right of the option in the menu.

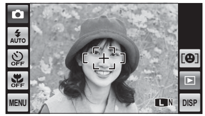


Note

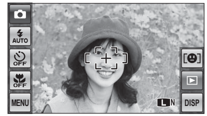
Image quality is not reset when the camera is turned off or another shooting mode is selected.

Aspect Ratio

Pictures with an aspect ratio of 4:3 have the same proportions as the central display area of the camera monitor, while an aspect ratio of 16:9 is suited to display on High Definition (HD) devices.



4:3



16:9

IMAGE QUALITY

Choose how much image files are compressed. Select **FINE** (low compression) for higher image quality, **NORMAL** (high compression) to increase the number of pictures that can be stored.

DYNAMIC RANGE

Control contrast. Higher values are recommended for scenes that include both sunlight and deep shade or for increased contrast with such subjects as sunlight on water, brightly-lit autumn leaves, portraits taken against a blue sky, and white objects or people wearing white; note, however, that mottling may appear in pictures taken at higher values. If **AUTO** is selected, the camera will automatically select values between 100% and 400% in response to shooting conditions.

FILM SIMULATION

Simulate the effects of different types of film, including sepia and black-and-white. Tap ▲ or ▼ to highlight an option and tap **OK** to select.

Option	Description
PROVIA/ STANDARD	Standard color reproduction. Suited to a wide range of subjects, from portraits to landscapes.
Velvia/ VIVID	A high-contrast palette of saturated colors, suited to nature photographs.
B&W	Take pictures in black and white.
SEPIA	Take pictures in sepia.

Menus

WB WHITE BALANCE

For natural colors, choose a setting that matches the light source (for an explanation of "white balance," see the Glossary on page 105). Tap ▲ or ▼ to highlight an option and tap **OK** to select.

Option	Displayed in
AUTO	White balance adjusted automatically.
☀	For subjects in direct sunlight.
(shade)	For subjects in the shade.
(fluorescent 1)	Use under "daylight" fluorescent lights.
(fluorescent 2)	Use under "warm white" fluorescent lights.
(fluorescent 3)	Use under "cool white" fluorescent lights.
(incandescent)	Use under incandescent lighting.

If **AUTO** does not produce the desired results (for example, when taking close-ups), choose the option that matches the light source.

Notes

- Turn the flash off (pg. 30) to take pictures that reflect the color of the original light source.
- Results vary with shooting conditions. Play pictures back after shooting to check colors in the monitor.

CONTINUOUS

Select **ON** to capture motion in a series of pictures. The camera takes up to five pictures while the shutter button is pressed.

Caution

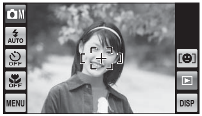
The flash turns off when **CONTINUOUS** is on.

AF MODE

This option controls how the camera focuses when Intelligent Face Detection is off (pg. 28). Regardless of the option selected, the camera will focus on the subject in the center of the monitor when macro mode is on (pg. 35).

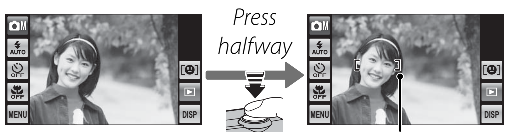
■ *AF MODE: CENTER*

The camera focuses on the subject in the center of the monitor. This option can be used with focus lock.



■ *AF MODE: MULTI*

When the shutter button is pressed halfway, the camera detects high-contrast subjects near the center of the monitor and selects the focus area automatically.

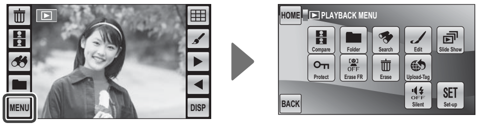


The Playback Menu

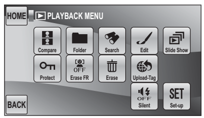
The playback menu is used to manage the pictures in internal memory or on the memory card.

Using the Playback Menu

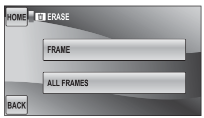
1 To view the playback menu, tap the **MENU** icon during playback.



2 Tap the icon for the desired menu item.



3 Tap the desired option. In some menus, you may need to tap ▲ or ▼ to view additional options.



Playback Menu Options

The following options are available:

Option	Description
PICTURE COMPARE	Display two pictures side-by-side (pg. 56).
FOLDER MANAGEMENT	Organize pictures into folders (pg. 54).
IMAGE SEARCH	Search for pictures by date, subject, scene, or file type (pg. 52).
EDIT	Rotate pictures, make collages, or create cropped or resized copies of pictures (pg. 47).
SLIDE SHOW	View pictures in a slide show (pg. 77).
PROTECT	Protect pictures from accidental deletion (pg. 78).
ERASE FACE RECOG.	Remove face recognition data from the current picture (pg. 79).
ERASE	Delete all or selected pictures (pg. 45).
SET UPLOAD-TAG TO	Select pictures for upload to YouTube or Facebook (pg. 79).
SILENT MODE	Use in situations in which camera sounds or lights may be unwelcome (pg. 21).
SET-UP	Perform basic camera setup (pg. 81).

SLIDE SHOW

View pictures in an automated slide show. After choosing the background music and display format, tap **HORIZONTAL** to view the slide show in "wide" (landscape) orientation or **VERTICAL** to view the slide show in "tall" (portrait) orientation. When a movie is displayed, movie playback will begin automatically, and the slide show will continue when the movie ends.

Option	Displayed in
NORMAL	Pictures are displayed one at a time. Select **FADE-IN** for fade transitions between frames.
FADE-IN	
NORMAL	As above, except that camera automatically zooms in on faces selected with Intelligent Face Detection (pg. 28) or pet detection (pg. 25).
FADE-IN	
MULTIPLE	Display several pictures at once.
SELECT BGM	Choose background music.

Notes
- The camera will not turn off automatically while a slide show is in progress.
- To exit the slide show, tap the display and then tap **STOP**.

PROTECT

Protect pictures from accidental deletion. The following options are available.

■ *FRAME*

Protect selected pictures.

1 Tap ◀ or ▶ to select the desired picture.



Picture not protected



Protected picture

2 Tap 🔒 to protect the picture. If the picture is already protected, tapping 🔓 will remove protection from the image.

3 Repeat steps 1–2 to protect additional images. Tap **BACK** to exit when the operation is complete.

■ *SET ALL*

Tap **OK** to protect all pictures, or tap **BACK** to exit without changing picture status.



■ *RESET ALL*

Tap **OK** to remove protection from all pictures, or tap **BACK** to exit without changing picture status.



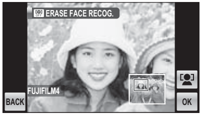
If the number of pictures affected is very large, the display at right will appear in the monitor while the operation is in progress. Tap **BACK** to exit before the operation is complete.



Caution

Protected pictures will be deleted when the memory card or internal memory is formatted (pg. 86).

ERASE FACE RECOG.



Remove face recognition links from the current image. When this option is selected, the camera will zoom in on an area in the current picture that it has matched with a face in the face recognition database. If the match is not correct, tap **OK** to remove the link to the face recognition database.

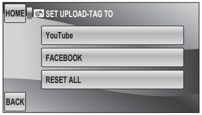
Note

Face recognition links can not be removed from copies with a size of 640.

SET UPLOAD-TAG TO

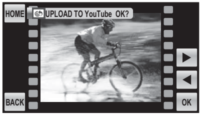
Select pictures for upload to YouTube or Facebook using MyFinePix Studio (Windows only).

■ *Selecting Pictures for Upload*



1 Tap **YouTube** to select movies for upload to YouTube, **FACEBOOK** to select photos and movies for upload to Facebook.

2 Tap ◀ or ▶ to display pictures and tap **OK** to select or deselect. Tap **BACK** to exit when all the desired pictures are selected.



Not selected for upload



Selected for upload

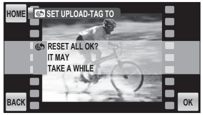
Notes

- Only movies can be selected for upload to YouTube.
- During playback, selected pictures are indicated by **YouTube** or **FACEBOOK** icons.

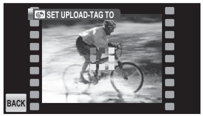
Menus

■ RESET ALL: Deselecting All Pictures

To deselect all pictures, tap **RESET ALL** and tap **OK**, or tap **BACK** to exit without changing picture status.

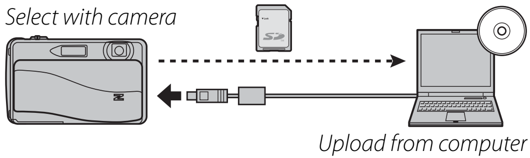


If the number of pictures affected is very large, the display at right will appear in the monitor while the operation is in progress. Tap **BACK** to exit before the operation is complete.



■ Uploading Pictures (Windows Only)

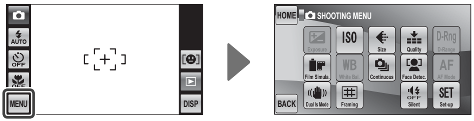
Selected pictures can be uploaded using the **YouTube/Facebook Upload** option in MyFinePix Studio (Windows only).



For information on installing MyFinePix Studio and connecting the camera to a computer, see “Viewing Pictures on a Computer” (pg. 62).

Using the Setup Menu

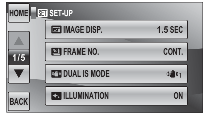
1 Tap the **MENU** icon to display the menu for the current mode.



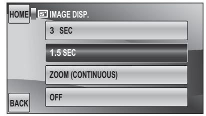
2 Tap **SET** (**Set-up**).



3 Tap ▲ or ▼ to display the desired menu item and tap to select.



4 Tap the desired option.



Setup Menu Options

Menu item	Description	Options	Default
IMAGE DISP.	Choose how long pictures are displayed after shooting (pg. 83).	**3 SEC / 1.5 SEC / ZOOM / OFF**	**1.5 SEC**
FRAME NO.	Choose how files are named (pg. 84).	**CONT. / RENEW**	**CONT.**
DUAL IS MODE	Choose whether image stabilization is performed at all times when the camera is in shooting mode (1 **CONTINUOUS**), or only when the shutter button is pressed halfway (2 **SHOOTING ONLY**).	1 / 2	1
ILLUMINATION	If **ON** is selected, the illuminator will light when the camera is turned on. It will also light after a picture is taken to let the subjects know that shooting is complete.	**ON / OFF**	**ON**
DIGITAL ZOOM	Enable or disable digital zoom (pg. 85).	**ON / OFF**	**OFF**
DATE/TIME	Set the camera clock (pg. 15).	—	—
VOLUME	Adjust volume for the shutter, controls, and playback (pg. 85).	—	—
SOUND	Choose shutter, start-up, and control sounds (pg. 85).	—	—
LCD BRIGHTNESS	Control the brightness of the monitor (pg. 85).	—	**0**
FORMAT	Format internal memory or memory cards (pg. 86).	—	—
言語/LANG.	Choose a language (pg. 15).	See page 109	**ENGLISH**
AUTO POWER OFF	Choose the auto power off delay (pg. 87).	**5 MIN / 2 MIN / OFF**	**2 MIN**
TIME DIFFERENCE	Set the clock to local time (pg. 88).	⌂ / ✈	⌂
AUTOROTATE PB	Choose **ON** to automatically rotate "tall" (portrait) orientation pictures during playback.	**ON / OFF**	**ON**
BACKGROUND COLOR	Choose a color scheme.	**BLACK / SILVER / RED / PINK**	—
POWER MANAGEMENT	Optimize camera performance for increased battery life, quick focus, or display quality (pg. 89).	(icons) / (icons) / (icons)	(icon)

Menu item	Description	Options	Default
RESET	Reset all settings except DATE/TIME and TIME DIFFERENCE to default values. A confirmation dialog will be displayed, tap **OK** to reset.	—	—
PASSWORD	Protect the folder with a password (pg. 54).	—	—
CALIBRATION	Calibrate the touch panel (pg. 90).	—	—
VERSION INFO	View the current camera firmware version.	—	—

IMAGE DISP.

Choose an option other than **OFF** to display pictures in the monitor after shooting. Pictures can be displayed for 1.5 s (**1.5 SEC**), 3 s (**3 SEC**), or until you tap **OK** (**ZOOM (CONTINUOUS)**). If **ZOOM (CONTINUOUS)** is selected, photos can be zoomed in to check focus and other fine details (pg. 43); tap ▲, ▼, ◀, or ▶ to scroll the display (note that zoom is disabled in mode and when **ON** is selected for **CONTINUOUS** as described on page 74).

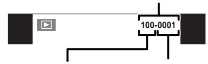
Intelligent Face Detection/Pet Detection

When **ZOOM (CONTINUOUS)** is selected, the camera will automatically zoom in on faces of portrait subjects detected with Intelligent Face Detection or of animals detected with **DOG** or **CAT**. If the camera has detected more than such subject, you can tap (Intelligent Face Detection) or (pet detection) to scroll from face to face.

Note

The colors displayed at settings of **3 SEC** and **1.5 SEC** may differ from those in the final picture.

FRAME NO.



New pictures are stored in image files named using a four-digit file number assigned by adding one to the last file number used. The file number is displayed during playback as shown at right. **FRAME NO.** controls whether file numbering is reset to 0001 when a new memory card is inserted or the current memory card or internal memory is formatted.

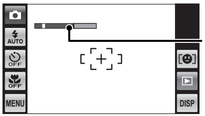
- **CONTINUOUS**: Numbering continues from the last file number used or the first available file number, whichever is higher. Choose this option to reduce the number of pictures with duplicate file names.
- **RENEW**: Numbering is reset to 0001 after formatting or when a new memory card is inserted.

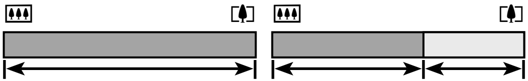
Notes

- If the frame number reaches 999-9999, the shutter release will be disabled (pg. 103).
- Selecting **RESET** (pg. 83) sets **FRAME NO.** to **CONTINUOUS** but does not reset the file number.
- Frame numbers for pictures taken with other cameras may differ.

DIGITAL ZOOM

If **ON** is selected, selecting [T] at the maximum optical zoom position will trigger digital zoom, further magnifying the image. To cancel digital zoom, zoom out to the minimum digital zoom position and select [W].





Caution

Digital zoom produces lower quality images than optical zoom.

VOLUME

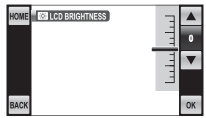
Adjust volume for the shutter, controls, and playback. Tap an option and choose a volume, either by selecting an option in a menu (shutter and control volume) or by tapping ▲ and ▼ to choose a setting between **OFF** and 10 (playback volume). Tap **OK** when settings are complete.

SOUND

Choose the sounds used for the shutter, at start-up, and for camera controls. Tap an option and then tap an icon to choose the sound. Tap **OK** when settings are complete.

LCD BRIGHTNESS

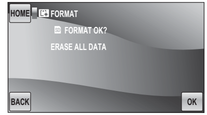
Tap ▲ or ▼ to adjust monitor brightness. Tap **OK** when settings are complete.



Menus

FORMAT

Format internal memory or a memory card. If a memory card is inserted in the camera, this option will format the memory card. If no memory card is inserted, this option will format internal memory. Tap **OK** to begin formatting. To exit without formatting, tap **BACK**.



Cautions

- All data—including protected pictures—will be deleted from the memory card or internal memory. Be sure important files have been copied to a computer or other storage device.
- Do not open the battery cover during formatting.

AUTO POWER OFF

Choose the length of time before the camera turns off automatically when no operations are performed. Shorter times increase battery life; if **OFF** is selected, the camera must be turned off manually. Note that regardless of the option selected, the camera will not turn off automatically when connected to a printer (pg. 60) or computer (pg. 66) or when a slide show is in progress (pg. 77), and that even if **OFF** is selected the camera will turn off automatically if no operations are performed for five minutes in EXR AUTO or movie mode or when an option other than **POWER SAVE** is selected for **POWER MANAGEMENT**, an option other than **OFF** is selected for **FACE DETECTION**, or **PORTRAIT ENHANCER**, **DOG**, or **CAT** is selected in **SP** mode.

Tip: Reactivating the Camera

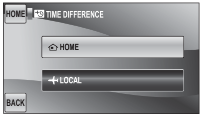
To reactivate the camera after it has turned off automatically, close and reopen the lens cover or press the / button for about a second (pg. 14).

TIME DIFFERENCE

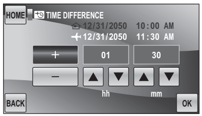
When traveling, use this option to switch the camera clock instantly from your home time zone to the local time at your destination.

1 **Specify the difference between local time and your home time zone.**

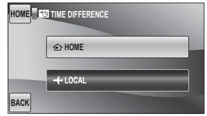
1.1 Tap ✈ **LOCAL**.



1.2 Tap the **+**, **–**, ▲, and ▼ icons to choose the time difference. The minimum increment is 15 minutes. Tap **OK** when settings are complete.



2 **Switch between local time and your home time zone.**



To set the camera clock to local time, tap ✈ **LOCAL**. To set the clock to the time in your home time zone, tap ⌂ **HOME**. If ✈ **LOCAL** is selected, ✈ will be displayed in the monitor for three seconds after the camera enters shooting mode, and the date will be displayed in yellow.

After changing time zones, check that the date and time are correct.

POWER MANAGEMENT

Optimize camera performance for increased battery life, quick focus response, or improved display quality. The following options are available:

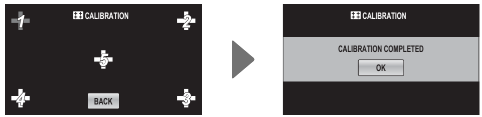
- **POWER SAVE**: Reduces monitor refresh rate. If no operations are performed for 10 s, the monitor will dim to save power. Select this option to save power or to prevent vertical streaks from appearing in photos when the camera is used for extended periods at high temperatures.
- **QUICK AF**: Reduces focusing time, ensuring a quick shutter response.
- **CLEAR DISPLAY**: Choose this option for a brighter, higher quality display.

Notes

- **POWER SAVE** does not take effect when Intelligent Face Detection is on.
- Settings other than **POWER SAVE** increase the drain on the battery; pay attention to battery level. An icon is displayed in the monitor and the monitor will dim automatically if no operations are performed for 30 s. If **OFF** is selected for **AUTO POWER OFF** (pg. 87), the camera will turn off automatically if no operations are performed for five minutes.

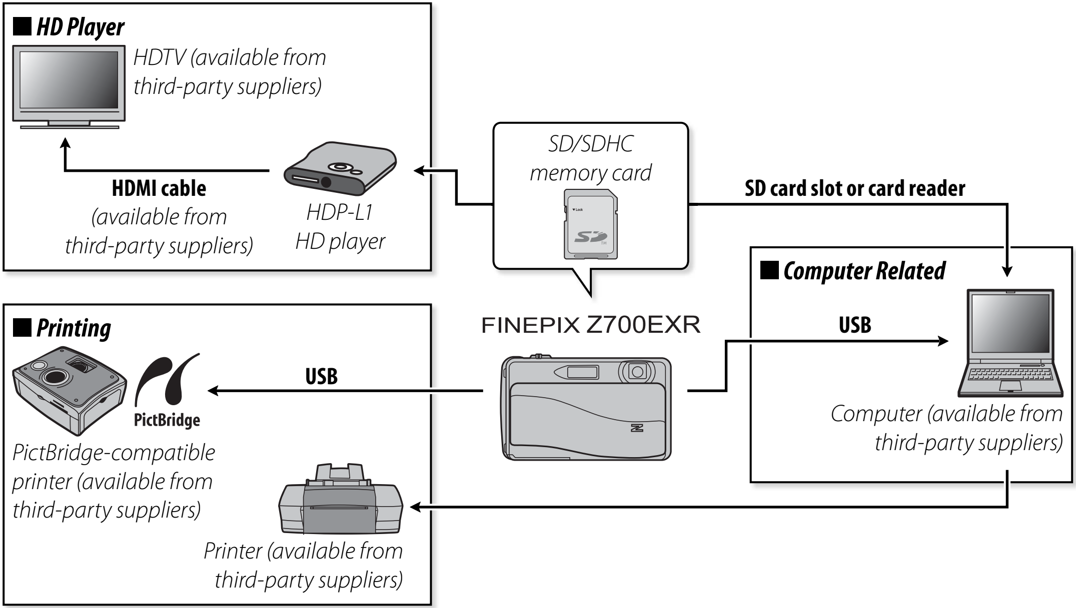
CALIBRATION

Calibrate the touch panel. Tap the "+" symbols in the order shown below at left (if you tap too far from the correct symbol, an error will be displayed; tap the correct symbol again). The message shown below at right will be displayed when calibration is complete. Tap **OK** to exit.



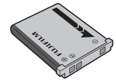
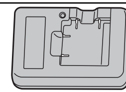
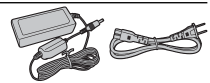
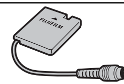
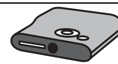
Optional Accessories

The camera supports a wide range of accessories from FUJIFILM and other manufacturers.



Accessories from FUJIFILM

The following optional accessories are available from FUJIFILM. For the latest information on the accessories available in your region, check with your local FUJIFILM representative or visit *http://www.fujifilm.com/products/digital_cameras/index.html*.

Rechargeable Li-ion batteries	**NP-45**: In addition to the supplied NP-45A battery, the camera can be used with NP-45 slimline batteries (available separately).	
Battery chargers	**BC-45W**: Replacement battery chargers can be purchased as required. The BC-45W charges an NP-45A or NP-45 battery in about 120 minutes at +23 °C (+73 °F).	
AC power adapters	**AC-5VX** (requires CP-45 DC coupler): Use for extended playback or when copying pictures to a computer (shape of adapter and plug vary with region of sale).	
DC couplers	**CP-45**: Connect the AC-5VX to the camera.	
HD players	**HDP-L1** (requires HDMI cable, available from third-party suppliers): Connect to a High Definition (HD) TV to view photographs and movies from SD memory cards.	

Caring for the Camera

To ensure continued enjoyment of the product, observe the following precautions.

Storage and Use

If the camera will not be used for an extended period, remove the battery and memory card. Do not store or use the camera in locations that are:

- exposed to rain, steam, or smoke
- very humid or extremely dusty
- exposed to direct sunlight or very high temperatures, such as in a closed vehicle on a sunny day
- extremely cold
- subject to strong vibration
- exposed to strong magnetic fields, such as near a broadcasting antenna, power line, radar emitter, motor, transformer, or magnet
- in contact with volatile chemicals such as pesticides
- next to rubber or vinyl products

■ *Water and Sand*

Exposure to water and sand can also damage the camera and its internal circuitry and mechanisms. When using the camera at the beach or seaside, avoid exposing the camera to water or sand. Do not place the camera on a wet surface.

■ *Condensation*

Sudden increases in temperature, such as occur when entering a heated building on a cold day, can cause condensation inside the camera. If this occurs, turn the camera off and wait an hour before turning it on again. If condensation forms on the memory card, remove the card and wait for the condensation to dissipate.

Cleaning

Use a blower to remove dust from the lens and monitor, then gently wipe with a soft, dry cloth. Any remaining stains can be removed by wiping gently with a piece of FUJIFILM lens-cleaning paper to which a small amount of lens-cleaning fluid has been applied. Care should be taken to avoid scratching the lens or monitor. The camera body can be cleaned with a soft, dry cloth. Do not use alcohol, thinner, or other volatile chemicals.

Traveling

Keep the camera in your carry-on baggage. Checked baggage may suffer violent shocks that could damage the camera.

Troubleshooting

Power and Battery

Problem		Possible cause	Solution	Page
Power supply	The camera does not turn on.	The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
		The battery is not in the correct orientation.	Reinsert the battery in the correct orientation.	9
		The AC adapter and DC coupler are not connected properly.	Make sure that the AC adapter and DC coupler are properly connected.	—
	The battery runs down quickly.	The battery is cold.	Warm the battery by placing it in a pocket or other warm place and reinsert it in the camera immediately before taking a picture.	v, 9
		There is dirt on the battery terminals.	Clean the terminals with a soft, dry cloth.	—
		EXR AUTO is selected for shooting mode.	Select AUTO mode to reduce the drain on the battery.	23
		The battery has been charged many times.	The battery has reached the end of its charging life. Purchase a new battery.	—
	The camera turns off suddenly.	The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
		The AC adapter or DC coupler has been disconnected.	Make sure that the AC adapter and DC coupler are properly connected.	—
Battery charger	Charging does not start.	The battery is not correctly inserted.	Reinsert the battery in the charger.	8
		The battery is not in the correct orientation.	Reinsert the battery in the correct orientation.	8
	Charging is slow.	The temperature is low.	Charge the battery at room temperature.	v
	The charging lamp lights, but the battery does not charge.	There is dirt on the battery terminals.	Clean the terminals with a soft, dry cloth.	—
		The battery has been charged many times.	The battery has reached the end of its charging life. Purchase a new battery. If the battery still fails to charge, contact your FUJIFILM dealer.	—

Menus and Displays

Problem	Possible cause	Solution	Page
Menus and displays are not in English.	English is not selected for the 言語/LANG. option in the setup menu.	Select **ENGLISH**.	15, 82

Shooting

Problem		Possible cause	Solution	Page
Taking pictures	No picture is taken when the shutter button is pressed.	Memory is full.	Insert a new memory card or delete pictures.	12, 45
		Memory is not formatted.	Format the memory card or internal memory.	86
		There is dirt on the memory card contacts.	Clean the contacts with a soft, dry cloth.	—
		The memory card is damaged.	Insert a new memory card.	12
		The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
		The camera has turned off automatically.	Turn the camera on.	14
	The monitor goes dark after shooting.	The flash has fired.	The monitor may darken while the flash charges. Wait for the flash to charge.	30
Focus	The camera does not focus.	The subject is close to the camera.	Select macro mode.	35
		The subject is far away from the camera.	Cancel macro mode.	
		The subject is not suited to autofocus.	Use focus lock.	36
EXR AUTO	Pictures are not the same size.	AUTO is selected for **IMAGE SIZE**.	If AUTO is selected for **IMAGE SIZE** in EXR AUTO mode, the camera will optimize not only sensitivity and other settings, but also image size. To record all pictures at the same size, choose another option for **IMAGE SIZE**.	17, 72
Close-ups	Macro mode is not available.	Macro mode is not available in the current shooting mode.	Choose a different shooting mode.	23

Problem		Possible cause	Solution	Page
Intelligent Face Detection	Face detection not available.	Intelligent Face Detection is not available in the current shooting mode.	Choose a different shooting mode.	23
	No face is detected.	The subject's face is obscured by sunglasses, a hat, long hair, or other objects.	Remove the obstructions.	28
		The subject's face occupies only a small area of the frame.	Change the composition so that the subject's face occupies a larger area of the frame.	
		The subject's head is tilted or horizontal.	Ask the subject to hold their head straight.	
		The camera is tilted.	Hold the camera straight.	19
		The subject's face is poorly lit.	Shoot in bright light.	—
	Wrong subject selected.	The selected subject is closer to the center of the frame than the main subject.	Recompose the picture or turn face detection off and frame the picture using focus lock.	28, 36
Flash	The flash does not fire.	The flash is not available in the current shooting mode.	Choose a different shooting mode.	23
		The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
		The camera is in continuous mode.	Select **OFF** for **CONTINUOUS**.	74
		The camera is in silent mode.	Turn silent mode off.	21
		The flash is off (⊘).	Choose a different flash mode.	30
	Some flash modes are not available.	The desired flash mode is not available in the current shooting mode.	Choose a different shooting mode.	23
		The camera is in silent mode.	Turn silent mode off.	21
	The flash does not fully light the subject.	The subject is not in range of the flash.	Position the subject in range of the flash.	108
		The flash window is obstructed.	Hold the camera correctly.	19

Problem		Possible cause	Solution	Page
Problem images	Pictures are blurred.	The lens is dirty.	Clean the lens.	93
		The lens is blocked.	Keep objects away from the lens.	19
		!AF is displayed during shooting and the focus frame is displayed in red.	Check focus before shooting.	20, 36, 101
		![camera shake icon] is displayed during shooting.	Use the flash or a tripod.	30
	Pictures are mottled.	Slow shutter speed selected at high temperatures.	This is normal and does not indicate a malfunction.	71
	Vertical lines appear in pictures.	The camera has been used continuously at high temperatures.	Turn the camera off and wait for it to cool down.	14
	"Smear" in the form of vertical purple or white lines appears in the display.	The camera has been used continuously at high ambient temperatures.	Vertical purple or white lines may appear when a very bright object is in the frame; this phenomenon is common to all CCD image sensors and does not indicate a malfunction. These lines are recorded in movies but do not appear in photographs. Avoid framing bright objects when filming movies.	105
		The sun or another very bright object appears in the frame.		
Recording	Pictures are not recorded.	Power was interrupted during shooting.	Turn the camera off before connecting the AC adapter/DC coupler. Leaving the camera on can result in corrupted files or damage to the memory card or internal memory.	14

Playback

Problem		Possible cause	Solution	Page
Pictures	Pictures are grainy.	The pictures were taken with a different make or model of camera.	—	—
	Playback zoom unavailable.	The pictures have an image size of 640 or were created with a different make or model of camera.	—	—
Audio	No sound in movie playback.	Playback volume is too low.	Adjust playback volume.	85
		The microphone was obstructed.	Hold the camera correctly during recording.	57
		The speaker is obstructed.	Hold the camera correctly during playback.	59
Deletion	Selected pictures are not deleted.	Some of the pictures selected for deletion are protected.	Remove protection using the device with which it was originally applied.	78

Connections

Problem		Possible cause	Solution	Page
Computer	The computer does not recognize the camera.	The camera is not properly connected.	Connect the camera correctly.	66
PictBridge	Pictures can not be printed.	The camera is not properly connected.	Connect the camera correctly.	60
		The printer is off.	Turn the printer on.	—
	Only one copy is printed.	The printer is not PictBridge-compatible.	Some printers may only print one copy or may not print the date.	—
	The date is not printed.			
AC adapter DC coupler	Help text is displayed.	The camera was turned on while being powered by an AC adapter.	Follow the on-screen instructions to enter demo mode or press the shutter button to cancel.	—

Miscellaneous

Problem	Possible cause	Solution	Page
The camera is unresponsive.	Temporary camera malfunction.	Remove and reinsert the battery or disconnect and reconnect the AC adapter/DC coupler.	9–10
	The battery is exhausted.	Charge the battery or insert a fully-charged spare battery.	8, 9
The camera does not function as expected.	Temporary camera malfunction.	Remove and reinsert the battery or disconnect and reconnect the AC adapter/DC coupler. If the problem persists, contact your FUJIFILM dealer.	9–10
No sound.	The camera is in silent mode.	Turn silent mode off.	21
The camera does not respond to the touch panel, or does not perform the expected action when the touch panel is used.	The touch panel requires calibration.	Calibrate the touch panel.	90
	The hand that is holding the camera is touching the panel.	Adjust your grip so that the hand that is holding the camera is not touching the panel.	—

Warning Messages and Displays

The following warnings are displayed in the monitor:

Warning	Description	Solution
(red)	Low battery.	Charge the battery or insert a fully-charged spare battery.
(blinks red)	Battery exhausted.	
	Slow shutter speed. Picture may be blurred.	Use the flash or mount the camera on a tripod.
!AF (displayed in red with red focus frame)	The camera can not focus.	• Use focus lock to focus on another subject at the same distance, then recompose the picture (pg. 36). • If the subject is poorly lit, try focusing at a distance of about 2 m (6 ft. 7 in.). • Use macro mode to focus when taking close-ups.
Aperture or shutter speed displayed in red	The subject is too bright or too dark. The picture will be over- or under-exposed.	If the subject is dark, use the flash.
LENS COVER	Attempted to take photograph with lens cover closed.	Open lens cover before taking photographs.
FOCUS ERROR	Camera malfunction.	Turn the camera off and then on again, taking care not to touch the lens. If the message persists, contact a FUJIFILM dealer.
ZOOM ERROR		
LENS CONTROL ERROR		
NO CARD	No memory card inserted when using folder management.	Insert a memory card.
CARD NOT INITIALIZED	The memory card or internal memory is not formatted.	Format the memory card or internal memory (pg. 86).
	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 86). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.

Warning	Description	Solution
PROTECTED CARD	The memory card is locked.	Unlock the memory card (pg. 11).
BUSY	The memory card is incorrectly formatted.	Use the camera to format the memory card (pg. 86).
CANNOT RESIZE	An attempt was made to resize a 640 picture.	640 pictures can not be resized.
CARD ERROR	The memory card is not formatted for use in the camera.	Format the memory card (pg. 86).
	The memory card contacts require cleaning or the memory card is damaged.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 86). If the message persists, replace the memory card.
	Incompatible memory card.	Use a compatible memory card (pg. 11).
	Camera malfunction.	Contact a FUJIFILM dealer.
IN MEMORY FULL	The memory card or internal memory is full; pictures can not be recorded or copied.	Delete pictures or insert a memory card with more free space (pp. 12, 45).
SD MEMORY FULL		
INTERNAL MEMORY IS FULL INSERT A NEW CARD		
WRITE ERROR	Memory card error or connection error.	Reinsert the memory card or turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer.
	Not enough memory remaining to record additional pictures.	Delete pictures or insert a memory card with more free space.
	The memory card or internal memory is not formatted.	Format the memory card or internal memory (pg. 86).

Warning	Description	Solution
READ ERROR	The file is corrupt or was not created with the camera.	The file can not be played back.
	The memory card contacts require cleaning.	Clean the contacts with a soft, dry cloth. If the message is repeated, format the memory card (pg. 86). If the message persists, replace the memory card.
	Camera malfunction.	Contact a FUJIFILM dealer.
FRAME NO. FULL	The camera has run out of frame numbers (current frame number is 999-9999).	Format the memory card and select **RENEW** for **FRAME NO.** in the setup menu. Take a picture to reset frame numbering to 100-0001, then select **CONTINUOUS** for **FRAME NO.** (pg. 84).
TOO MANY FRAMES	A search has returned more than 30,000 results (or more than 4,999 for **BY DATE**).	Choose a search that returns fewer results.
	You have attempted to create collages with a total of over 30,000 images.	No further collages can be created until you have deleted files or inserted a new memory card.
FILE NUMBER FULL	Memory card contains 30,000 images. No new pictures can be recorded.	Delete files or insert new memory card.
PROTECTED FRAME	An attempt was made to delete or rotate a protected picture.	Remove protection before deleting or rotating pictures (pg. 78).
PASSWORD INCORRECT	The password you entered is not correct.	Enter the correct password or make a new password (pg. 54).
640 CAN NOT CROP	An attempt was made to crop a 640 picture.	These pictures can not be cropped.
CAN NOT CROP	The picture selected for cropping is damaged or was not created with the camera.	
CAN NOT ROTATE	The picture can not be rotated.	—
CAN NOT ROTATE	Movies can not be rotated.	—
CANNOT EXECUTE	Red-eye removal can not be applied to the selected picture or movie.	—
CANNOT EXECUTE		

Troubleshooting

Warning	Description	Solution
DEACTIVATE SILENT MODE	An attempt was made to choose a flash mode or adjust the volume with the camera in silent mode.	Exit silent mode before choosing a flash mode or adjusting the volume (pp. 21, 85).
COMMUNICATION ERROR	A connection error occurred while pictures were being printed or copied to a computer or other device.	Confirm that the device is turned on and that the USB cable is connected.
PRINTER ERROR	Printer out of paper or ink, or other printer error.	Check printer (see printer manual for details). To resume printing, turn the printer off and then turn it back on.
PRINTER ERROR RESUME?		Check printer (see printer manual for details). If printing does not resume automatically, tap **OK** to resume.
CANNOT BE PRINTED	An attempt was made to print a movie, a picture not created with the camera, or a picture in a format not supported by the printer.	Movies and some pictures created with other devices can not be printed. If the picture was created with the camera, check the printer manual to confirm that the printer supports the JFIF-JPEG or Exif-JPEG format. If it does not, the pictures can not be printed.

Glossary

Digital zoom: Unlike optical zoom, digital zoom does not increase the amount of visible detail. Instead, details visible using optical zoom are simply enlarged, producing a slightly "grainy" image.

EV (Exposure Value): The exposure value is determined by the sensitivity of the image sensor and the amount of light that enters the camera while the image sensor is exposed. Each time the amount of light doubles, EV increases by one; each time the amount of light is halved, EV decreases by one. The amount of light entering the camera can be controlled by adjusting aperture and shutter speed.

Exif Print: A standard that allows information stored with pictures to be used for optimal color reproduction during printing.

JPEG (Joint Photographic Experts Group): A compressed file format for color images. The higher the compression rate, the greater the loss of information and more noticeable drop in quality when the picture is displayed.

Motion JPEG: An AVI (Audio Video Interleave) format that stores images and sound in a single file, with the images recorded in JPEG format. Motion JPEG files can be played in QuickTime 3.0 or later.

Smear: A phenomenon specific to CCDs which causes white streaks to appear when very bright light sources, such as the sun or reflected sunlight, appear in the frame.

White balance: The human brain automatically adapts to changes in the color of light, with the result that objects that appear white under one light source still appear white when the color of the light source changes. Digital cameras can mimic this adjustment by processing images according to the color of the light source. This process is known as "white balance."

Internal Memory/Memory Card Capacity

The following table shows the recording time or number of pictures available at different image sizes. All figures are approximate; file size varies with the scene recorded, producing wide variations in the number of files that can be stored. The number of exposures or length remaining may not diminish at an even rate. A limited number of test pictures can be taken when no memory card is inserted.

	IMAGE SIZE (photographs; FINE image quality, aspect ratio 4 : 3)			QUALITY (movies) [1]	
	L	M	S	HD [2]	640
Internal memory (approx. 30 MB)	6	10	19	—	23 sec.
1 GB	200	330	620	5 min.	12 min.
2 GB	410	670	1230	10 min.	25 min.
4 GB	830	1340	2480	20 min.	50 min.
8 GB	1680	2700	4980	42 min.	100 min.
16 GB	3330	5370	9880	83 min.	200 min.

1 Individual movies can not exceed 10 minutes (HD) or 15 minutes (640) in length.

2 Use a card with a class 4 write speed (4 MB/s) or better when shooting HD movies.

Specifications

System	
Model	Digital Camera FinePix Z700EXR
Effective pixels	12 million
CCD	½-in., Super honeycomb EXR CCD with primary color filter
Storage media	• Internal memory (approx. 30 MB) • SD/SDHC memory cards (see page 11)
File system	Compliant with Design Rule for Camera File System (DCF), and Exif 2.21
File format	• **Still pictures**: Exif 2.21 JPEG (compressed) • **Movies**: Motion JPEG AVI
Image size (pixels)	• L **4 : 3**: 4,000 × 3,000 (12 M) • L **16 : 9**: 4,000 × 2,248 (9 M) • M **4 : 3**: 2,816 × 2,112 (6 M) • M **16 : 9**: 2,816 × 1,584 (4 M) • S **4 : 3**: 2,048 × 1,536 (3 M) • S **16 : 9**: 1,920 × 1,080 (2 M)
File size	See page 106
Lens	Fujinon 5 × optical zoom lens, F/3.9 (wide angle)–4.7 (telephoto)
Focal length	f=6.4 mm–32 mm (35-mm format equivalent: 35 mm–175 mm)
Digital zoom	• L / M : Approx. 4 × (up to 20 × when combined with optical zoom) • S : Approx. 4.4 × (up to 22 × when combined with optical zoom)
Aperture	F/3.9 (wide angle), F/6.4 (telephoto)
Focus range (distance from front of lens)	• **Normal focus**: approx. 60 cm (2 ft.)–∞ (wide angle); 100 cm (3.3 ft.)–∞ (telephoto) • **Macro mode**: approx. 9 cm–80 cm/0.3 ft.–2.6 ft. (wide angle); 40 cm–80 cm/1.3 ft.–2.6 ft. (telephoto)
Sensitivity	Standard output sensitivity equivalent to ISO 100, 200, 400, 800, 1600; 3200 (image size M or S); **AUTO**
Metering	256-segment through-the-lens (TTL) matrix metering
Exposure control	Programmed auto exposure
Exposure compensation	–2 EV – +2 EV in increments of ⅓ EV (M mode)
Shooting modes	EXR EXR, AUTO AUTO, TOUCH & SHOOT, SP SCENE POSITION, N NATURAL LIGHT, N⚡ NATURAL & ⚡, M MANUAL, MOVIE

System	
Scene modes	PORTRAIT, PORTRAIT ENHANCER, LANDSCAPE, SPORT, NIGHT, NIGHT (TRIPOD), FIREWORKS, SUNSET, SNOW, BEACH, PARTY, FLOWER, TEXT TEXT, DOG, CAT
Image stabilization	Optical stabilization (CCD shift)
Intelligent Face Detection	Available
Shutter speed	• (fireworks): 4 s–½ s • (night tripod): 3 s–1⁄500 s • (night): ¼ s–1⁄500 s • **Other modes**: ¼ s–1⁄1,000 s
Continuous	Up to five frames at a maximum of approximately 1.6 fps
Focus	• **Mode**: Single AF • **Autofocus system**: Contrast-detect TTL AF • **Focus-area selection**: Touch (touch icon), AF CENTER, and AF MULTI
White balance	Automatic scene detection; six manual preset modes for direct sunlight, shade, daylight fluorescent, warm white fluorescent, cool white fluorescent, and incandescent lighting
Self-timer	Couple timer; group timer; auto shutter (dog and cat); timer with approx. 2 s or 10 s delay; OFF
Flash	Auto flash; effective range when sensitivity is set to **AUTO** is approx. 30 cm–3.9 m/1.0 ft.–12.8 ft. (wide angle) or 40 cm–3.2 m/1.3 ft.–10.5 ft. (telephoto)
Flash modes	Auto, fill flash, off, auto slow sync (red-eye removal off); auto with red-eye reduction, fill flash with red-eye reduction, off, slow sync with red-eye reduction (red-eye removal on)
Monitor	3.5-in., 460k-dot color LCD monitor; frame coverage approx. 100%; aspect ratio 16 : 9
Movies	Camera can record movies with a frame size of 1280 × 720 (HD; 24 fps) or 640 × 480 (640; 30 fps); zoom not available during recording
Shooting menu	Silent mode, Intelligent Face Detection with red-eye removal, continuous shooting, framing guide, film simulation
Playback mode	Edit, image search, and folder management

System	
Other options	PictBridge, Exif Print, language selection (Arabic, Simplified Chinese, Traditional Chinese, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Russian, Slovak, Spanish, Swedish, Thai, Turkish, and Ukrainian), time difference

Input/output terminals	
Digital input/output	USB 2.0 High Speed

Power supply/other	
Power sources	• NP-45A rechargeable battery • AC-5VX AC power adapter and CP-45 DC coupler (sold separately)
Battery life (approximate number of frames that can be taken with fresh or fully charged batteries)	Battery type: NP-45A (type supplied with camera) — Approximate number of frames: 170 CIPA standard, measured in AUTO (auto) mode using battery supplied with camera and SD memory card. **Note**: Number of shots that can be taken with battery varies with battery charge level and will decline at low temperatures.
Camera dimensions	98.1 mm × 59.0 mm × 20.3 (16.9*) mm/3.9 in. × 2.3 in. × 0.8 (0.7*) in. (W × H × D) * excluding projecting parts, measured at the thinnest part
Camera weight	Approx. 141 g/5.0 oz., excluding battery, accessories, and memory cards
Shooting weight	Approx. 158 g/5.6 oz., including battery and memory card
Operating conditions	• **Temperature**: 0 °C – +40 °C/+32 °F – +104 °F • **Humidity**: 10%–85% (no condensation)

NP-45A rechargeable battery	
Nominal voltage	DC 3.7 V
Nominal capacity	720 mAh
Operating temperature	0 °C – +40 °C/+32 °F – +104 °F
Dimensions (W × H × D)	31.0 mm × 39.6 mm × 6.0 mm/1.2 in. × 1.6 in. × 0.2 in.
Weight	Approx. 15.5 g/0.5 oz.

BC-45W battery charger	
Rated input	100 V–240 V AC, 50/60 Hz
Input capacity	8.0 VA (100 V) 12 VA (240 V)
Rated output	4.2 V DC, 550 mA
Supported batteries	NP-45A rechargeable batteries
Charging time	Approx. 120 minutes
Dimensions (W × H × D)	91 mm × 62 mm × 23 mm/3.6 in. × 2.4 in. × 0.9 in.
Weight	Approx. 67 g/2.4 oz., excluding battery
Operating temperature	0 °C – +40 °C/+32 °F – +104 °F

Weight and dimensions vary with the country or region of sale.

Notices

- Specifications subject to change without notice. FUJIFILM shall not be held liable for damages resulting from errors in this manual.
- Although the monitor is manufactured using advanced high-precision technology, small bright points and anomalous colors may appear, particularly in the vicinity of text. This is normal for this type of monitor and does not indicate a malfunction; images recorded with the camera are unaffected.
- Digital cameras may malfunction when exposed to strong radio interference (e.g., electric fields, static electricity, or line noise).
- Due to the type of lens used, some distortion may occur at the periphery of images. This is normal.

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